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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 14:02:18 ; Search time 166.433 Seconds
(without alignments)
3944.566 Million cell updates/sec

Title: US-09-939-853A-74

Perfect score: 1183

Sequence: 1 agctagagctccaggacc.....tctcttggatgcctag 1183

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 582709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/2/ina/5A_COMB.seq:*
- 2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*
- 3: /cgn2_6/prodata/2/ina/6A_COMB.seq:*
- 4: /cgn2_6/prodata/2/ina/6B_COMB.seq:*
- 5: /cgn2_6/prodata/2/ina/PCTUS_COMB.seq:*
- 6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	123	10.4	2015	4	US-09-023-655-1105 Sequence 1105, Ap
2	119.4	10.1	2298	4	US-09-023-655-1158 Sequence 1158, Ap
3	110	9.3	2354	4	US-09-023-655-1080 Sequence 1080, Ap
4	107.4	9.1	2129	4	US-09-016-434-1452 Sequence 1452, Ap
5	101	8.5	675	1	US-08-707-793A-3 Sequence 3, Appli
6	101	8.5	675	1	US-08-707-792A-3 Sequence 3, Appli
7	92.6	7.8	2435	4	US-09-023-655-1313 Sequence 1313, Ap
8	91	7.7	2847	4	US-09-220-132-77 Sequence 77, Appl
9	91	7.7	2647	5	PCT-US93-06251-77 Sequence 77, Appl
10	90.8	7.7	1611	1	US-07-820-011A-3 Sequence 3, Appli
11	90.8	7.7	1611	1	US-09-860-473-3 Sequence 3, Appli
12	90.8	7.7	1611	5	PCT-US93-00445-3 Sequence 3, Appli
13	89.6	7.6	1626	4	US-09-860-473-10 Sequence 10, Appl
14	80.4	6.8	1602	1	US-07-820-011A-1 Sequence 1, Appli
15	80.4	6.8	1602	5	PCT-US93-00445-1 Sequence 1, Appli
16	80.4	6.8	1759	4	US-09-470-881-2 Sequence 2, Appli
17	71	6.0	1491	2	US-09-006-675-1 Sequence 1, Appli
18	71	6.0	1491	3	US-09-228-603A-1 Sequence 1, Appli
19	68.4	5.8	282	2	US-09-006-675-5 Sequence 5, Appli
20	68.4	5.8	282	3	US-09-228-603A-5 Sequence 5, Appli
21	60.4	5.1	4517	4	US-09-470-881-7 Sequence 7, Appli
22	60.4	5.1	4517	5	PCT-US93-06251-83 Sequence 83, Appl
23	59.4	5.0	874	4	US-09-023-655-931 Sequence 931, App
24	55.8	4.7	1467	4	US-09-579-182-2 Sequence 2, Appli
25	55.8	4.7	1548	4	US-09-099-053-1 Sequence 1, Appli
26	48	4.1	144	5	PCT-US93-06251-13 Sequence 13, Appl
27	46	3.9	190	5	PCT-US93-06251-14 Sequence 14, Appl

Query Match 10.4%; Score 123; DB 4; Length 2015;

28 43.2 3.7 498 6 5219739-21 Patent No. 5219739
29 42.8 3.6 164 1 US-08-306-691B-28 Sequence 28, Appl
30 42.8 3.6 164 4 US-09-860-473-17 Sequence 17, Appl
31 42.8 3.6 164 5 PCT-US93-06251-70 Sequence 70, Appl
32 41.6 3.5 197 5 PCT-US95-10973A-18 Sequence 18, Appl
33 41.6 3.5 231 4 US-09-244-583-13 Sequence 13, Appl
34 41.6 3.5 444 4 US-09-392-932-6 Sequence 6, Appl
35 41.6 3.5 444 4 US-09-574-708A-1 Sequence 1, Appl
36 41.6 3.5 444 4 US-09-392-931-1 Sequence 1, Appl
37 41.6 3.5 456 5 PCT-US95-10973A-88 Sequence 88, Appl
38 41.6 3.5 467 5 PCT-US95-10973A-86 Sequence 86, Appl
39 41.6 3.5 473 3 US-08-718-904-1 Sequence 1, Appl
40 41.6 3.5 473 4 US-09-449-249-1 Sequence 1, Appl
41 41.6 3.5 473 5 PCT-US95-10973A-25 Sequence 25, Appl
42 41.6 3.5 495 4 US-09-244-583-25 Sequence 25, Appl
43 41.6 3.5 495 4 US-09-037-983C-14 Sequence 14, Appl
44 41.6 3.5 498 6 5194596-20 Patent No. 5194596
45 41.6 3.5 516 3 US-08-784-551C-1 Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-09-023-655-1105
; Sequence 1105, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION NUMBER: US/09/023,655
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1105:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2015 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g183911
; US-09-023-655-1105

/ COUNTRY: USA
/ ZIP: 94304
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/023,655
/ FILING DATE: HEREWITH
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Zeller, Karen J.
/ REGISTRATION NUMBER: 37,071
/ REFERENCE/DOCKET NUMBER: PA-0001 US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (650) 855-0555
/ TELEFAX: (650) 845-4166
/ INFORMATION FOR SEQ ID NO: 1080:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2354 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ LIBRARY: GENBANK
/ CLONE: g182573
/ US-09-023-655-1080

Query Match 9.3%; Score 110; DB 4; Length 2354;

Best Local Similarity 56.2%; Pred. No. 9.2e-22;

Matches 234; Conservative 0; Mismatches 170; Indels 12; Gaps 1;

QY	590	GATGAGACTGGTGGACGGTCTCTGAAGTCTCAGGCAGAGATATACATCCCCAGC	649
Db	478	GAAGGTGACTGGTGGAGACTCGTCTCTCAGCTCCGGAACACTGGCTGCATCCAGC	537
QY	650	GTCCAGCTGGGAAAGT-----CTCCATGGGTGGTGTATGAGGGCCCTGAGC	697
Db	538	AACTAGTGGCCCTCTTGACTCAATCCAGTGAAGTGTACTTTGGAAAGATTGGG	597
QY	698	AGGGAGAAAGCAGAGAACTGTGTGTTACCTGGGAACCTGGAGGGCCCTTCTCATC	757
Db	598	AGAAAGATGCAGAGAGGAGCTGCTTTCCAGGCAACCCAGGGGCGCTTTCTCAT	657
QY	758	CGGGAGAGCCAGACCAAGGAGGCTTTACTCTCTGTCTAGTCCGGCTCAGCCGCCCTGCA	817
Db	658	CGGAAAGCGAGACCAACCAAGGTGCTACTCTCTGTCCATCCGGACTGGGATCAGAC	717
QY	818	TCCTGGGACCGATCAGACACTACAGGATCCAGTTCAGCAATGGCTGGCTGTACATC	877
Db	718	AGAGGGATCATGTGAAGCATTACAGATCCGCAACTGGATGGGGGGCTTACTACATC	777
QY	878	TCACCCGGCTCACCTTCCCTCACTCCAGGGCCCTGGTGGACCATTAATCTGAGCTGGG	937
Db	778	ACCACAGGGTTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGT	837
QY	938	GATGACATCTGCTGCTTACTCAAGAGCCCTGTGTCTCTGACAGGGCTGGGCCCGT	993
Db	838	GACGGCTGTGAACCTGCTCATCGCGCCCTGCACCATCATGAAGCCGACAGCGCT	893

RESULT 4

US-09-016-434-1452

/ Sequence 1452, Application US/09016434

/ Patent No. 6500938

/ GENERAL INFORMATION:

/ APPLICANT: Janice Au-Young

/ APPLICANT: Jeffrey J. Seilhamer

/ TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
/ TITLE OF INVENTION: PATHWAY GENE EXPRESSION
/ NUMBER OF SEQUENCES: 1490
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
/ STREET: 3174 PORTER DRIVE
/ CITY: PALO ALTO
/ STATE: CALIFORNIA
/ COUNTRY: USA
/ ZIP: 94304
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/016,434
/ FILING DATE: HEREWITH
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Zeller, Karen J.
/ REGISTRATION NUMBER: 37,071
/ REFERENCE/DOCKET NUMBER: PA-0002 US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (650) 855-0555
/ TELEFAX: (650) 845-4166
/ INFORMATION FOR SEQ ID NO: 1452:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2129 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ LIBRARY: GENBANK
/ CLONE: g775207
/ US-09-016-434-1452

Query Match 9.1%; Score 107.4; DB 4; Length 2129;

Best Local Similarity 53.2%; Pred. No. 4.9e-21;

Matches 259; Conservative 0; Mismatches 216; Indels 12; Gaps 1;

QY	510	TGGCCCTGGGAGTTTCCCGCAGTGGCCCGGCGAGTGTGCTGAGACTCGGGGAGC	569
Db	259	TGCTCTGACAGCTATGAGCCCTCTCAGCAGGAGATCTGGGCTTTGAGAAGGGGAAC	318
QY	570	CATTGACCATCGTCTCTGAGGATGGAGACTGGTGGAGCGTGTCTGTAAAGTCTCAGGCA	629
Db	319	AGCTCCGATCTTGAGCAGAGCGGCGAGTGGTGGAGCGCAGTCCCTGACCACGSGCC	378
QY	630	GAGATATACATCCCGCAGGTCACGTGGGAAA-----GTCTCCATGGGT	677
Db	379	AGGAAGCTTCATCCCTTCAATTTTGTGCCAAAGCGAAGACCGCTGGAGCCGAAACCT	438
QY	678	GGCTGTATGAGGGCTCAGCAGGAGAGAAAGCAGAGGAACCTGTGTGTTTATTACCTGGGAAC	737
Db	439	GGTCTTCAAGAACTCAGCGCGCAAGGACCGGAGCGGAGCTCTTGGCGCCGGAACA	498
QY	738	CTGAGAGGGCTTCTCATTCGGGAGAGCCAGACAGGAGGCTTCTTACTCTCTGTCTAG	797
Db	499	CTCAGGCTCTCTCTCATTCGGGAGAGCAGACCGCGGGATCGTTTCTCACTGTCTCG	558
QY	798	TCCGCTCAGCGCCCTGTCATCTGGGACCGGATCAGACACTACAGATCCATCGCTTG	857
Db	559	TCCGGACTTCGACCAAGAACCGGAGAGGTGTGAAACATTACAGATCCGTAATCTG	618
QY	858	ACAAATGGCTGGCTGTACATCTCACCGCGCTCACTTCCCTCACTCCAGGCCCTGGTGG	917
Db	619	ACAAAGGTGGCTTCTACATCTCCCTCGAATCACTTTCCCGGCTGCATGAACCTGGTCC	678

Qy	918	ACATTACTCTGAGCTGGGGATGACATCTGCTGCTACTCTCAAGGAGCCCTGTGTCCTGC	977
Db	679	GCATTATACCAATGCTTCAGATGGGCTGTGCACACGGTTGAGCCGCCCTGCCAGACC	738
Qy	978	AGAGGCG	984
Db	739	AGAAGCC	745

```

RESULT 5
US-08-707-793A-3
; Sequence 3, Application US/08707793A
; Patent No. 5776696
; GENERAL INFORMATION:
; APPLICANT: SALOWE, SCOTT P.
; TITLE OF INVENTION: A HIGH THROUGHPUT ASSAY USING
; TITLE OF INVENTION: FUSION PROTEINS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:

```

	Query Match	8.5%;	Score 101;	DB 1;	Length 675;
	Best Local Similarity	59.0%;	Pred. No. 2e-19;		
	Matches 173;	Conservative	0;	Mismatches 120;	Indels 0; Gaps 0;
QY	677	TGCGTGTATAGGGGCTTGAGCAGGGAGAAACGACAGAACTGCTGTTGTATTACTCGGAAC	736		
Db	373	TGGTTCCTTCAAGAACTGAGCCGCAAGGACGCGAGCGGAGCTCTGCGGCCCGGAAC	432		
QY	737	CTGAGAGGGGCGCTTCCTCATCCGGAGAGCCAGACACGAGAGGCTTACTTCTCTGTCA	796		
Db	433	ACTCAGCGGCTCTTCTCATCCGGAGAGCGAGACACCGGGATCGTTTTTCACTGTGC	492		
QY	797	GTCCGCGCTCAGCGCGCTTCATCTGTGGACCGGATCAGACATACAGGATCACTGCCTT	856		
Db	493	GTCCGGGACTTCGACAGAAACAGGGAGAGTGTGAACATTACAGATCCGTAATCTG	552		
QY	857	GACATATGGCTGTGCTGTACATCTACCGCGGCTCACCTTCCTCCCTCACTCCAGGCCCTGTG	916		
Db	553	GACACGGTGGCTTCTACATCTCCCTCGAATCACTTTCCGGCGCTGCATGAACGTGTC	612		

Qy 917 GACCATTTACTCTGAGCTGGGGGATGACATCTGCTGCTACTCAAGGAGCCCTG 969

Dp 613 CGCCATTACACCAATGTTTCAGATGGGCTGTGCACACGGTTGAGCGGCCCTG 665

RESULT 6
US-08-707-792A-3
Sequence 3, Application US/08707792A
Patent No. 5783398
GENERAL INFORMATION:
APPLICANT: MARCY, ALICE
APPLICANT: SALOWE, SCOTT P.
APPLICANT: WISNIEWSKI, DOUGLAS
TITLE OF INVENTION: A HIGH THROUGHPUT ASSAY USING
TITLE OF INVENTION: FUSION PROTEINS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000, 126 E. Lincoln Ave.
CITY: Rahway

	Query Match	8.5%;	Score 101;	DB 1;	Length 675;
	Best Local Similarity	59.0%;	Pred. No. 2e-19;		
	Matches 173;	Conservative	0;	Mismatches 120;	Indels 0;
				Gaps	0
Qy	677	TGGCTGTATAGGGGCTT	CAGCAGGAGAAACGAGAGAACTGTTGTTT	ACCTGGGAAC	736
Db	373	TGGTCTTTCAAGAACT	GAGCGGCAAGACGCGAGCGG	CAGCTCTCTGGGCCCGGGAAC	432
Qy	737	CTGAGAGGGGCTT	CCTCATCTCGGAGAGCCAGAC	CAGGAGGCTTCTTACTCTCTGTCTCA	796
Db	433	ACTCAGGCTCT	TCTCTCATCTCGGAGAGCGAGAC	ACCGCGGATCGTTTTTCACTGTGCG	492
Qy	797	GTCCGGCTCAGCGGCTT	CGATCTCTGGACCGGATCAGACACTACAGGATCCACTGCCTT	856	
Db	493	GTCCGGGACTTCGAC	CGAACAACGAGGAGAGTGGTGAAC	CATTACAGATCCGTAATCTCG	552
Qy	857	GACAAATGGCTGGCT	GTATCATCTCACCGCGGCTCACCTTCCCTCTCACTCCAGGCGCTTGGTG	916	
Db	553	GCACACGCTGGTCTT	CTATCTCCCTCGAATCACTTTTCCCGGCTCGATGAACCTGGTTC	612	

Qy 917 GACCATTAATCTGAGCTGGCGGATGACATCTGCTGCTTACTCAAGGAGCCCTG 969
Db 613 GCCCATTACCAATGCTTCAGATGGCTGTGCACACGGTTGAGCGGCCCTG 665

RESULT 7
US-09-023-655-1313
; Sequence 1313, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1313:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2435 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g338227
US-09-023-655-1313

Query Match 7.8%; Score 92.6; DB 4; Length 2435;
Best Local Similarity 56.9%; Pred. No. 9.6e-17;
Matches 170; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
Qy 672 ATGGGTGGCTGTATGAGGCGCTGAGCAGGAGAGAAAGCAGAGAACTGCTGTGTACCTG 731
Db 810 AAGAGTGGTACTTGGAAACTTGGCGAAAGATGCTGAGCGACAGCTATTGTCCTTTG 869
Qy 732 GAAACCTTGGAGGCGCTTCTCATCCGAGAGCCAGCAGGAGAGGCTTACTCTC 791
Db 870 GAAACCAAGAGGTACCTTTCTATCCGAGAGTGAACACCAAGGCTCTATTAC 929
Qy 792 TGTGATCCGCTCAGCGCCCTGTCATCCTGGACCGGATCAGACACTACAGGATCCACT 851
Db 930 TTTCATCCGTGATTGGGATGATGAAAGAGAGACCATGTCAACATTATAAAATTGCA 989
Qy 852 GCCTTGACATGGCTGGCTGTACATCTACCGCGCTCACCTTCCCTCACTCAGGCGCC 911
Db 990 AACTTGACAATGGTGATACATACATACACCGCGCCCGGCTTGAACACTTTCAGCAGC 1049

Qy 912 TGGTGACCAATTAATCTGAGCTGGCGGATGACATCTGCTGCTTACTCAAGGAGCCCTGT 970
Db 1050 TTGTACAAATTAATCTGAGAGAGCTGAGGTCTGCTGCTGCCCTAGTAGTCCCTGT 1108

RESULT 8
US-09-220-132-77
; Sequence 77, Application US/09220132
; Patent No. 6508607
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; TITLE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 77
; LENGTH: 2647
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-220-132-77

Query Match 7.7%; Score 91; DB 4; Length 2647;
Best Local Similarity 56.5%; Pred. No. 2.9e-16;
Matches 169; Conservative 0; Mismatches 130; Indels 0; Gaps 0;
Qy 672 ATGGGTGGCTGTATGAGGCGCTGAGCAGGAGGAGAAAGCAGAGAACTGCTGTGTACCTG 731
Db 1019 AAGAGTGGTACTTTGGAAACTTGGCGAAAGATGCTGAGCGACAGTATTGCTCTTG 1078
Qy 732 GGAACCTTGGAGGCGCTTCTCATCCGAGAGCCAGCAGCAGGAGGCTTACTCTC 791
Db 1079 GAAACCCAGAGGTACCTTTCTTATCCGAGAGTGAACCCAGGAGGCTTATTCAC 1138
Qy 792 TGTGAGTCCCTCAGCGCCCTGTCATCCTGGAGCGGATCAGACACTACAGGATCCACT 851
Db 1139 TTTCATCCGTGATTGGGATGATGAAAGAGAGACCATGTCAACATTATAAAATTGCA 1198
Qy 852 GCCTTGACAATGGCTGGCTGTACATCTACCGCGCTCAGCTTCCCTCACTCCAGGCC 911
Db 1199 AACTTGACAATGGTGGATACATACATACCCCGGCGCCAGTTTGAACACTTTCAGCAGC 1258
Qy 912 TGGTGACCAATTAATCTGAGCTGGCGGATGACATCTGCTGCTTACTCAAGGAGCCCTGT 970
Db 1259 TTGTACAAATTAATCTGAGAGAGCTGAGGTCTCTGCTGCCCTAGTAGTCCCTGT 1317

RESULT 9
PCT-US93-06251-77
; Sequence 77, Application PC/TUS9306251
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Eric and Rife, Jason P.
; TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
; TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: NY
; COUNTRY: USA
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06251
; FILING DATE: 19930630
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: DiGiglio, Frank S.
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 8586
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 516-742-4343
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2647 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; PCT-US93-06251-77

Query Match 7.7%; Score 91; DB 5; Length 2647;
Best Local Similarity 56.5%; Pred. No. 2.9e-16;
Matches 169; Conservative 0; Mismatches 130; Indels 0; Gaps 0;

QY 672 ATGGGTGGCTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGTGTGTACCTG 731
DB 1019 AAGAGTGGTACTTGGAAAACCTGGCCGAAGATGCTGAGCGACAGCTATTGTCTTTG 1078
QY 732 GGAACCTGGAGGGCTTCCTCATCCGGGAGAGCCAGACAGAGAGAGCTCTTACTCTC 791
DB 1079 GAAACCAAGAGTACTTTCTTATCCGGAGAGTGAACCAACCAAGGTGCTATTAC 1138
QY 792 TGTCACTCGCCTCAGCCGCTGCATCTCGGAGCGATCAGACTACAGATCCACT 851
DB 1139 TTCTATCTGTTGGGTGATGATGAAGGAGACCATGTCAAACTATATAATTCGA 1198
QY 852 GCTTCGAATAGCTGGCTGTATCATCTCACCGGCTCACTTCCCTCACTCCAGGCC 911
DB 1199 AACTTGACAATGGTGATACTACATACCAACCGGCGCCAGTTTGAACACCTTCAGCAGC 1258
QY 912 TGGTGACCATTAATCTGAGCTGGCGGATGACATCTGCTGCTACTCAAGGAGCCCTGT 970
DB 1259 TTGTACAACATACTCAGAGAGAGCTGCAGGTCTCTGTGCGCCCTAGTAGTTCCTGT 1317

RESULT 10
US-07-820-011A-3
; Sequence 3, Application US/07820011A
; Patent No. 5336615
; GENERAL INFORMATION:
; APPLICANT: Bell, Leonard
; APPLICANT: Madri, Joseph A.
; APPLICANT: Warren, Stephen L.
; APPLICANT: Luthringer, Daniel J.
; TITLE OF INVENTION: Genetically Engineered
; TITLE OF INVENTION: Migration
; TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Maurice M. Klee
; STREET: 1951 Burr Street
; CITY: Fairfield
; STATE: Connecticut
; COUNTRY: USA
; ZIP: 06430
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb storage
; COMPUTER: IBM PC XT
; OPERATING SYSTEM: PC-DOS/MS-DOS 2.10
; SOFTWARE: Displaywrite 3
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/820,011A
; FILING DATE: 19920106
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Klee, Maurice M.
; REGISTRATION NUMBER: 30,399
; REFERENCE/DOCKET NUMBER: LB-101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (203) 255-1400
; TELEFAX: (203) 254-1101
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1611
; TYPE: NUCLEIC ACID
; STRANDEDNESS: Double
; TOPOLOGY: Linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: No
; ANTI-SENSE: No
; ORIGINAL SOURCE:
; ORGANISM: Homo sapien
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: Chromosome 20
; PUBLICATION INFORMATION:
; AUTHORS: Anderson, Stephen K.
; AUTHORS: Gibbs, Carol P.
; AUTHORS: Tanaka, Akio
; AUTHORS: Kung, Hsing-Jien
; AUTHORS: Fujita, Donald J.
; TITLE: Human Cellular src Gene:
; TITLE: Nucleotide Sequence and Derived Amino
; TITLE: Acid Sequence of the Region Coding for
; TITLE: the Carboxy-Terminal Two-Thirds of
; TITLE: pp60c-src
; JOURNAL: Molecular and Cellular Biology
; VOLUME: 5
; ISSUE: 5
; PAGES: 1122-1129
; DATE: May, 1985
; PUBLICATION INFORMATION:
; AUTHORS: Tanaka, Akio
; AUTHORS: Gibbs, Carol P.
; AUTHORS: Arthur, Richard R.
; AUTHORS: Anderson, Stephen K.
; AUTHORS: Kung, Hsing-Jien
; AUTHORS: Fujita, Donald J.
; TITLE: DNA Sequence Encoding the
; TITLE: Amino-Terminal Region of the Human c-src
; TITLE: Protein: Implications of Sequence
; TITLE: Divergence among src-Type Kinase
; TITLE: Oncogenes
; JOURNAL: Molecular and Cellular Biology
; VOLUME: 7
; ISSUE: 5
; PAGES: 1978-1983
; DATE: May, 1987
; US-07-820-011A-3

Query Match 7.7%; Score 90.8; DB 1; Length 1611;
Best Local Similarity 53.4%; Pred. No. 2.6e-16;
Matches 222; Conservative 0; Mismatches 182; Indels 12; Gaps 1;

QY 556 GAGACTCGGGAGCCATTGACCATCTCTCTGAGGATGAGACTGCTGACCGTGTCTGTC 615
DB 318 GAAAGGCGAGCGCTCCAGATTGTCAACAACACAGAGGAGACTGCTGCTGCCACATC 377
QY 616 TGAAGTCTCAGGCAGAGAGTATAACATCCCGAGCTCCACGTGG-----GCAA 663
DB 378 GCTCAGCAGACAGACAGACAGGCTTACATCCCGCACTACGTGGCGCCCTCCGACTCCAT 437
QY 664 AGTCTCCCTGCGTGTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGT 723
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Db 438 CCAGGCTGAGGAGTGTATTTTGGCAAGATCACCAGCGGAGTCAGAGCGGTTACTGCT 497
Qy 724 GTTACTGGGAACCTGGAGGGCTTCTCTCATCCGGAGAGCCAGACGAGAGGCTC 783
Db 498 CAATGCAGAGAACCCGAGAGGACCTTCTCTGCGAGAAAGTGAGACCACCAAGGTC 557
Qy 784 TTACTCTCTGTCAGTCCGCTCAGCGCGCTCTGATCTCGGACCGGATCAGACACTACAG 843
Db 558 CTACTGCTCTCAGTGTCTGACTTGGACAAACGCAAGGCGCTCAAGCTGAAGCACTACAA 617
Qy 844 GATCCACTGCTTGACAATGGCTGGCTGTACATCTCACCGCGCTCACTTCCCTCACT 903
Db 618 GATCCGCAAGCTGGACAGCGGGCTTCTACATCACTCCCGACCCCAAGTTCACAGGCT 677
Qy 904 CCAGGCGCTGGTGGACCAATTACTCTGAGCTGGCGGATGACATCTGTGCTACTCA 959
Db 678 GCAGCAGCTGGTGGCTTACTTCCAAACACCGCGATGGCTGTGCCACCGCTCA 733

RESULT 11
US-09-860-473-3
; Sequence 3, Application US/09860473
; Patent No. 6656732
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF SRC-C EXPRESSION
; FILE REFERENCE: RTS-0222
; CURRENT APPLICATION NUMBER: US/09/860,473
; CURRENT FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 169
; SEQ ID NO 3
; LENGTH: 1611
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1611)
US-09-860-473-3

Query Match 7.7%; Score 90.8; DB 4; Length 1611;
Best Local Similarity 53.4%; Pred. No. 2.6e-16;
Matches 222; Conservative 0; Mismatches 182; Indels 12; Gaps 1;
Qy 556 GAGACTGGGGAGCCATTGACCATGCTCTGAGATGGAGACTGGTGACGGTCTGTC 615
Db 318 GAAAGCGGAGCGGCTCCAGATTGTCAACAAACACAGAGGGAGACTGGTGGCTGGCCACTC 377
Qy 616 TGAAGTCTCAGGCAGAGAGTATAATCCCGCGCTCCACGTGG-----GCAA 663
Db 378 GCTCAGCAGAGACACAGAGGCTATATCCCGAGCACTACGTGGCGCCCTCCGACTCCAT 437
Qy 664 AGTCTCCATGGGTGCTGTATGAGGGCTGTAGAGGGAGAAAGCAGAGGAACTGCTGT 723
Db 438 CCAGGCTGAGGAGTGGTATTTTGGCAAGATCACCAGCGGAGTCAGAGCGGTTACTGCT 497
Qy 724 GTTACTGGGAACCTGGAGGGCTTCTCTCATCCGGAGAGCCAGACGAGAGGCTC 783
Db 498 CAATGCAGAGAACCCGAGAGGACCTTCTCTGCGAGAAAGTGAGACCACCAAGGTC 557
Qy 784 TTACTCTCTGTCAGTCCGCTCAGCGCGCTCTGATCTCGGACCGGATCAGACACTACAG 843
Db 558 CTACTGCTCTCAGTGTCTGACTTGGACAAACGCAAGGCGCTCAAGCTGAAGCACTACAA 617
Qy 844 GATCCACTGCTTGACAATGGCTGGCTGTACATCTCACCGCGCTCACTTCCCTCACT 903
Db 618 GATCCGCAAGCTGGACAGCGGGCTTCTACATCACTCCCGACCCCAAGTTCACAGGCT 677
Qy 904 CCAGGCGCTGGTGGACCAATTACTCTGAGCTGGCGGATGACATCTGTGCTACTCA 959
Db 678 GCAGCAGCTGGTGGCTTACTTCCAAACACCGCGATGGCTGTGCCACCGCTCA 733

RESULT 12
PCT-US93-00445-3
; Sequence 3, Application PC/TUS9300445
; GENERAL INFORMATION:
; APPLICANT: Bell, Leonard
; APPLICANT: Madri, Joseph A.
; APPLICANT: Warren, Stephen L.
; APPLICANT: Luthringer, Daniel J.
; TITLE OF INVENTION: Genetically Engineered
; TITLE OF INVENTION: Endothelial Cells
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Maurice M. Klee
; STREET: 1951 Burr Street
; CITY: Fairfield
; STATE: Connecticut
; COUNTRY: USA
; ZIP: 06430
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 760 Kb storage
; COMPUTER: DELL 486/50
; OPERATING SYSTEM: DOS 5.0
; SOFTWARE: Displaywrite 3
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/00445
; FILING DATE: 19930105
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/820,011
; FILING DATE: 06-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Klee, Maurice M.
; REGISTRATION NUMBER: 30,399
; REFERENCE/DOCKET NUMBER: ALX-101PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (203) 255 1400
; TELEFAX: (203) 254 1101
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1611
; TYPE: NUCLEIC ACID
; STRANDEDNESS: Double
; TOPOLOGY: Linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: No
; ANTI-SENSE: No
; ORIGINAL SOURCE:
; ORGANISM: Homo sapien
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: Chromosome 20
; PUBLICATION INFORMATION:
; AUTHORS: Anderson, Stephen K.
; AUTHORS: Gibbs, Carol P.
; AUTHORS: Tanaka, Akio
; AUTHORS: Kung, Hsing-Jien
; AUTHORS: Fujita, Donald J.
; TITLE: Human Cellular src Gene:
; TITLE: Nucleotide Sequence and Derived Amino
; TITLE: Acid Sequence of the Region Coding for
; TITLE: the Carboxy-Terminal Two-Thirds of
; JOURNAL: pp60c-src
; JOURNAL: Molecular and Cellular Biology
; VOLUME: 5
; ISSUE: 5
; PAGES: 1122-1129
; DATE: May, 1985
; PUBLICATION INFORMATION:
; AUTHORS: Tanaka, Akio
; AUTHORS: Gibbs, Carol P.
; AUTHORS: Arthur, Richard R.
; AUTHORS: Anderson, Stephen K.
; AUTHORS: Kung, Hsing-Jien
; AUTHORS: Fujita, Donald J.

; TITLE: DNA Sequence Encoding the
; TITLE: Amino-Terminal Region of the Human c-src
; TITLE: Protein: Implications of Sequence
; TITLE: Divergence among src-Type Kinase
; TITLE: Oncogenes
; JOURNAL: Molecular and Cellular Biology
; VOLUME: 7
; ISSUE: 5
; PAGES: 1978-1983
; DATE: May, 1987
PCT-US93-00445-3

Query Match 7.7%; Score 90.8; DB 5; Length 1611;

Best Local Similarity 53.4%; Pred. No. 2.6e-16;
Matches 222; Conservative 0; Mismatches 182; Indels 12; Gaps 1;

QY 556 GAGACTCGGGAGCCATTGACCATCGTCTCTGAGGATGAGACTGGTGACGGTGTGTC 615

Db 318 GAAAGCGAGCGGCTCCAGATTCTCAACAACACAGAGGGAGACTGGTGGCTGGCCCACTC 377

QY 616 TGAAGTCTCAGGCAGAGAGTATTAACATCCCGACGTCACGTTGG-----GCAA 663

Db 378 GCTCAGCAGGACAGACAGAGGCTATATCCCGAACACTAGTGGCGCCCTCCGACTCCAT 437

QY 664 AGTCTCCATGGTGTGCTGATGAGGGCTGTGACGAGGAGAAAGCAGAGAACTGCTGTT 723

Db 438 CCAGGCTGAGGAGTGTATTTTGGCAAGATCACAGACGGGAGTCAGAGCGGTACTGCT 497

QY 724 GTTACTGGAAACCTGGAGGGCTTCTCATCCGGAGAGCCAGACGAGAGGCTC 783

Db 498 CAATGAGAGAACCCGAGAGGGACCTTCTCTGTCGAGAAAGTGAGAACCAAGGTGC 557

QY 784 TTACTCTCTGCTAGTCCGCTCAGCGCGCTGTGATCCTGGGACCGGATCAGACACTACAG 843

Db 558 CTACTGCCCTCAGTGTGCTGACTTCGACAAACGCCAGGGCCCTCAAGTGAAGCACTACAA 617

QY 844 GATCCACTGCTTGACAAATGGCTGGCTGTACATCTCACCGGGCTCACCTTCCCTCACT 903

Db 618 GATCCGCAAGCTGACAGCGGGGGCTTCTACATCACTCCCGACCCAGTTCAACAGGCT 677

QY 904 CCAGGCGCTGGTGACCATCTCTCAGCTGGCGGATGACATCTGCTGCTACTCA 959

Db 678 GCAGCAGCTGGTGGCTACTACTCCAAACAGCCGATGCTGTCACCGGCTCA 733

RESULT 13

US-09-860-473-10

; Sequence 10, Application US/09860473

; Patent No. 6656732

; GENERAL INFORMATION:

; APPLICANT: C. Frank Bennett

; APPLICANT: Andrew T. Watt

; TITLE OF INVENTION: ANTISENSE MODULATION OF SRC-C EXPRESSION

; FILE REFERENCE: RTS-0222

; CURRENT APPLICATION NUMBER: US/09/860,473

; CURRENT FILING DATE: 2001-05-18

; NUMBER OF SEQ ID NOS: 169

; SEQ ID NO 10

; LENGTH: 1626

; TYPE: DNA

; ORGANISM: Mus musculus

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)...(1626)

US-09-860-473-10

Query Match 7.6%; Score 89.6; DB 4; Length 1626;

Best Local Similarity 56.9%; Pred. No. 5.8e-16;

Matches 164; Conservative 0; Mismatches 124; Indels 0; Gaps 0;

QY 672 ATGGTGGCTGTATGAGGGCTCAGCAGGGAGAAAGCAGAGAACTGCTGTTGTACTCG 731

Db 461 AGAGTGGTACTTTGGCAAGATCACTAGACGGGATCAGAGGGCTGCTCAAGCGC 520

QY 732 GGAACCTGGAGGGCCCTTCTCATCGGAGAGCAGACCGAGAGGCTCTTACTCTC 791

Db 521 AGAACCCGAGAGGAGCCTTCTCTGTGAGGAGAGTGAGACCACAAAGGTGCTACTGCC 580

QY 792 TGTCACTCCGCTCAGCCGCTGCTGATCTCTGGGACCGGATCAGACACTACAGATCACT 851

Db 581 TCTCTGTATCCGACTTCGACAATGCCAAGGCGCTAAATGTGAACACACTACAGATCCGCA 640

QY 852 GCCTTGCAATGGCTGGCTGTACATCTCACCGGCGCTCACCTTCCCTCACTCCAGGCC 911

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QY 912 TGGTGGACCATTTACTCTGAGCTGGCGGATGACATCTGCTGCTACTCA 959

Db 701 TCGTGGCTTACTACTCCAAACATGCTGATGGCTGTGTACACCGCTCA 748

RESULT 14

US-07-820-011A-1

; Sequence 1, Application US/07820011A

; Patent No. 5336615

; GENERAL INFORMATION:

; APPLICANT: Bell, Leonard

; APPLICANT: Madri, Joseph A.

; APPLICANT: Warren, Stephen L.

; APPLICANT: Luthringer, Daniel J.

; TITLE OF INVENTION: Genetically Engineered

; TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced

; TITLE OF INVENTION: Migration

; TITLE OF INVENTION: and Plasmidogen Activator Activity

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Maurice M. Klee

; STREET: 1951 Burr Street

; CITY: Fairfield

; STATE: Connecticut

; COUNTRY: USA

; ZIP: 06430

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 5.25 inch, 360 Kb storage

; COMPUTER: IBM PC XT

; OPERATING SYSTEM: PC-DOS/MS-DOS 2.10

; SOFTWARE: Displaywrite 3

; CURRENT APPLICATION DATA: US/07/820,011A

; FILING DATE: 19920106

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Klee, Maurice M.

; REGISTRATION NUMBER: 30,399

; REFERENCE/DOCKET NUMBER: LB-101

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (203) 255 1400

; TELEFAX: (203) 254 1101

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1602 base pairs

; TYPE: NUCLEIC ACID

; STRANDEDNESS: Double

; TOPOLOGY: Linear

; MOLECULE TYPE: cDNA to mRNA

; HYPOTHETICAL: No

; ANTI-SENSE: No

; ORIGINAL SOURCE:

; ORGANISM: Gallus, gallus

; PUBLICATION INFORMATION:

; AUTHORS: Takeya, Tatsuo

; AUTHORS: Hanafusa, Hidesaburo

; TITLE: Structure and Sequence of the

; TITLE: Cellular Gene Homologous to the RSV src

; TITLE: Gene and the Mechanism for Generating the

; TITLE: Transforming Virus

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JOURNAL: Cell
VOLUME: 32
PAGES: 881-890
DATE: March, 1983
US-07-820-011A-1

Query Match
Best Local Similarity 54.4%; Score 80.4; DB 1; Length 1602;
Matches 162; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 672 ATGGGTGGCTGTATAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGTGTACCTG 731
Db 437 AAGAGTGTACTTTGGGAAGATCACTCGTCGGAGTCCGAGCGGTGCTCAACCCG 496
QY 732 GGAACCTCGAGGGGCTTCCTATCCGGAGAGCCAGACAGGAGAGGCTCTTACTTC 791
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QY 792 TGTGAGTCCGCTCAGCCGCTGATCTCGGAGCGGATCAGACACTACAGATCCACT 851
Db 557 TCTCCGTTTCTGACTTTTGACACGCCAAGGGCTCAATGTGAAGCACTACAAGATCCGCA 616
QY 852 GCCTTGACAATGGCTGTATCTCACCGCGCTCACCTTCCCCTCACTCCAGGCC 911
Db 617 AGTGCAGAGCGGGCTTCTACATCACTCAGCACACAGTTCAGCAGCTGCAGCAGC 676
QY 912 TGTGAGCAATTAATCTGAGCTGGGGATGACATCTGCTGCTACTCAAGAGGCCCTG 969
Db 677 TGTGCGCTTACTTCTCAACATGCTGATGGCTTGTGCCACCGCTGACCAACGCTG 734

RESULT 15
PCT-US93-00445-1
Sequence 1, Application PC/TUS9300445
GENERAL INFORMATION:
APPLICANT: Bell, Leonard
APPLICANT: Madri, Joseph A.
APPLICANT: Warren, Stephen L.
APPLICANT: Luthringer, Daniel J.
TITLE OF INVENTION: Genetically Engineered
TITLE OF INVENTION: Endothelial Cells
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: Maurice M. Klee
STREET: 1951 Burr Street
CITY: Fairfield
STATE: Connecticut
COUNTRY: USA
ZIP: 06430
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 760 Kb storage
COMPUTER: DELL 486/50
OPERATING SYSTEM: DOS 5.0
SOFTWARE: Displaywrite 3
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/00445
FILING DATE: 19930105
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/820,011
FILING DATE: 08-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Klee, Maurice M.
REGISTRATION NUMBER: 30,399
REFERENCE/DOCKET NUMBER: ALX-101PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203) 255 1400
TELEFAX: (203) 254 1101
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1602 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: Double
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TOPOLOGY: Linear
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: No
ANTI-SENSE: No
ORIGINAL SOURCE:
ORGANISM: Gallus, gallus
PUBLICATION INFORMATION:
AUTHORS: Takeya, Tatsuo
AUTHORS: Hanafusa, Hidesaburo
TITLE: Structure and Sequence of the
TITLE: Cellular Gene Homologous to the RSV src
TITLE: Gene and the Mechanism for Generating the
TITLE: Transforming Virus
JOURNAL: Cell
VOLUME: 32
PAGES: 881-890
DATE: March, 1983
PCT-US93-00445-1

Query Match
Best Local Similarity 54.4%; Score 80.4; DB 5; Length 1602;
Matches 162; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 672 ATGGGTGGCTGTATAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGTGTACCTG 731
Db 437 AAGAGTGTACTTTGGGAAGATCACTCGTCGGAGTCCGAGCGGTGCTCAACCCG 496
QY 732 GGAACCTCGAGGGGCTTCTATCCGGAGAGCCAGACAGGAGAGGCTCTTACTTC 791
Db 497 AAAACCCCGGGAACTTCTTGGTCCGGAGAGCGAGACGACAAAAGTGCCTATTGCC 556
QY 792 TGTGAGTCCGCTCAGCCGCTGATCTCGGAGCGGATCAGACACTACAGATCCACT 851
Db 557 TCTCCGTTTCTGACTTTTGACACGCCAAGGGCTCAATGTGAAGCACTACAAGATCCGCA 616
QY 852 GCCTTGACAATGGCTGTATCTCACCGCGCTCACCTTCCCCTCACTCCAGGCC 911
Db 617 AGTGCAGAGCGGGCTTCTACATCACTCAGCACACAGTTCAGCAGCTGCAGCAGC 676
QY 912 TGTGAGCAATTAATCTGAGCTGGGGATGACATCTGCTGCTACTCAAGAGGCCCTG 969
Db 677 TGTGCGCTTACTTCTCAACATGCTGATGGCTTGTGCCACCGCTGACCAACGCTG 734

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Job time : 168.433 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 20:04:06 ; Search time 959.828 Seconds
(without alignments)
6024.889 Million cell updates/sec

Title: US-09-939-853A-74
Perfect score: 1183
Sequence: 1 agctagagctccaaggacc.....tcttttgatgatgcctag 1183

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 3216467 seqs, 2444149694 residues

Total number of hits satisfying chosen parameters: 6432934

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA.*

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14: /cgn2_6/ptodata/1/pubna/US10A_PUBCOMB.seq.*
15: /cgn2_6/ptodata/1/pubna/US10B_PUBCOMB.seq.*
16: /cgn2_6/ptodata/1/pubna/US10C_PUBCOMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1183	100.0	1183	13	US-09-939-853A-74
3	784.4	66.3	786	15	US-10-043-649-1
4	775.4	65.5	864	10	US-09-814-353-21302
5	758.2	64.1	763	9	US-09-867-550-953
6	724.2	61.2	1413	17	US-10-115-635-120
7	348	29.4	444	9	US-09-867-550-951
8	341	28.8	875	9	US-09-867-550-1915
9	213.4	18.0	320	10	US-09-814-353-17314
10	157.4	13.3	2665	9	US-09-954-456-499
11	157.4	13.3	2665	13	US-10-342-887-1312
12	157.4	13.3	2665	13	US-10-172-118-1312
13	157.4	13.3	3756	14	US-10-002-600-91
14	141.6	12.0	432	9	US-09-864-761-2829

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15 141.8 12.0 448 9 US-09-864-761-15513 Sequence 15513, A
16 131.6 11.1 152 10 US-09-814-353-4631 Sequence 4631, Ap
17 131.6 11.1 152 10 US-09-814-353-10930 Sequence 10930, A
18 124.6 10.5 2343 16 US-10-062-674-2038 Sequence 2038, Ap
19 123 10.4 1924 16 US-10-193-720-1 Sequence 1, Appli
20 123 10.4 2015 9 US-09-954-456-1983 Sequence 1983, Ap
21 123 10.4 2015 13 US-10-342-887-726 Sequence 726, App
22 123 10.4 2015 13 US-10-172-118-726 Sequence 726, App
23 123 10.4 2015 15 US-10-007-010-3 Sequence 3, Appli
24 123 10.4 2015 17 US-10-641-643-1105 Sequence 1105, Ap
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26 119.4 10.1 2298 13 US-10-342-887-762 Sequence 762, App
27 119.4 10.1 2298 13 US-10-172-118-762 Sequence 762, App
28 119.4 10.1 2298 15 US-10-175-523-50 Sequence 50, Appli
29 119.4 10.1 2298 16 US-10-159-563-343 Sequence 343, App
30 119.4 10.1 2298 17 US-10-641-643-1158 Sequence 1158, Ap
31 110.6 9.3 1530 12 US-09-997-722-234 Sequence 234, App
32 110.6 9.3 2032 12 US-09-997-722-233 Sequence 233, App
33 110.6 9.3 2032 16 US-10-366-288-27 Sequence 27, Appli
34 110.6 9.3 2032 17 US-10-316-515-4 Sequence 4, Appli
35 110 9.3 1590 16 US-10-085-117-18 Sequence 18, Appli
36 110 9.3 2354 9 US-09-967-768A-300 Sequence 300, App
37 110 9.3 2354 16 US-10-353-690-123 Sequence 123, App
38 110 9.3 2354 16 US-10-085-117-17 Sequence 17, Appli
39 110 9.3 2354 17 US-10-641-643-1080 Sequence 1080, Ap
40 110 9.3 2433 15 US-10-240-965-114 Sequence 114, App
41 107.4 9.1 2017 16 US-10-062-674-1776 Sequence 1776, Ap
42 107.4 9.1 2034 13 US-09-805-020-3 Sequence 3, Appli
43 107.4 9.1 2129 10 US-09-960-708-954 Sequence 954, App
44 107.4 9.1 2129 16 US-10-305-720-1452 Sequence 1452, Ap
45 107.4 9.1 2129 17 US-10-316-515-75 Sequence 75, Appli
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ALIGNMENTS

RESULT 1

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US-09-939-853A-74
; Sequence 74, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939, 853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 74
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-74
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Query Match 100.0%; Score 1183; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1183; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 AGCTAGAGCTCCAAGGACCCACGCTGTCTGTCTGTGACAGAGCTCAAGGGGCCCTGGG 60
Db 1 AGCTAGAGCTCCAAGGACCCACGCTGTCTGTCTGTGACAGAGCTCAAGGGGCCCTGGG 60
QY 61 CCTTCCTCCCTCGCTGGCTGTGCTGGAGGCTTCCCGAGTCCAGATCCCTAAGAG 120
Db 61 CCTTCCTCCCTCGCTGGCTGTGCTGGAGGCTTCCCGAGTCCAGATCCCTAAGAG 120
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QY 121 CATGGGCGAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCAGACAGATGCTGAGCT 180
Db |||||
QY 121 CATGGGCGAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCAGACAGATGCTGAGCT 180
Db |||||
QY 181 ACCCAACCAACACCTAGCTCTCCCTGAAGATCCTCCAGGCTGAGAGATCTGGGTG 240
Db |||||
QY 181 ACCCAACCAACACCTAGCTCTCCCTGAAGATCCTCCAGGCTGAGAGATCTGGGTG 240
Db |||||
QY 241 TCCTAGGACCAAGACACTGGCAGACTTCCAGAGGGCCCCCAAGCCCTTAACCTGCCA 300
Db |||||
QY 241 TCCTAGGACCAAGACACTGGCAGACTTCCAGAGGGCCCCCAAGCCCTTAACCTGCCA 300
Db |||||
QY 301 GCCAGAGCATGCTCTCAGCAGAGCTGTCTTCCCAAGCCCTTGATGACAAACCAATTTCC 360
Db |||||
QY 301 GCCAGAGCATGCTCTCAGCAGAGCTGTCTTCCCAAGCCCTTGATGACAAACCAATTTCC 360
Db |||||
QY 361 CTGGATGATGTCTTCTGAGTCTCTGCTGAGGAAACAATGGGAAGTCTGCCAGCAGAG 420
Db |||||
QY 361 CTGGATGATGTCTTCTGAGTCTCTGCTGAGGAAACAATGGGAAGTCTGCCAGCAGAG 420
Db |||||
QY 421 AAATCTCTCCAAAGCCAAAGCTTGAGTTCTCTGTCAGAGCCATGAGGACCGACCTGACCAT 480
Db |||||
QY 421 AAATCTCTCCAAAGCCAAAGCTTGAGTTCTCTGTCAGAGCCATGAGGACCGACCTGACCAT 480
Db |||||
QY 481 GGAAGCAGAGAGAGCAAGCCACAGCGTGGCCCTGGGCGAGTTTCCCGGCGAGGTGGCCC 540
Db |||||
QY 481 GGAAGCAGAGAGAGCAAGCCACAGCGTGGCCCTGGGCGAGTTTCCCGGCGAGGTGGCCC 540
Db |||||
QY 541 GGCGAGCTGTGCTGAGACTCGGGAGGCAATGACCATCGTCTCTGAGGATGGAGACTG 600
Db |||||
QY 541 GGCGAGCTGTGCTGAGACTCGGGAGGCAATGACCATCGTCTCTGAGGATGGAGACTG 600
Db |||||
QY 601 GTGACGGTCTGCTGAGTCTCAGCAGAGAGTATAACATCCCGAGCGTCCAGTGGG 660
Db |||||
QY 601 GTGACGGTCTGCTGAGTCTCAGCAGAGAGTATAACATCCCGAGCGTCCAGTGGG 660
Db |||||
QY 661 CAAAGTCTCCCATGGGTGGTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGTCT 720
Db |||||
QY 661 CAAAGTCTCCCATGGGTGGTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGTCT 720
Db |||||
QY 721 GTTGTACCTGGAAACCTGGAGGGGCTTCTCATCCGGAGAGCCAGCAGAGAGG 780
Db |||||
QY 721 GTTGTACCTGGAAACCTGGAGGGGCTTCTCATCCGGAGAGCCAGCAGAGAGG 780
Db |||||
QY 781 CTCTTACTCTCTGCTAGTCCGCTCAGCCGCTGATCCTGGGACCGGATCAGACACTA 840
Db |||||
QY 781 CTCTTACTCTCTGCTAGTCCGCTCAGCCGCTGATCCTGGGACCGGATCAGACACTA 840
Db |||||
QY 841 CAGGATCCATGCTCTGACAAATGGTGGCTGTACATCTCAGCGGCTCAGCTTCCCTC 900
Db |||||
QY 841 CAGGATCCATGCTCTGACAAATGGTGGCTGTACATCTCAGCGGCTCAGCTTCCCTC 900
Db |||||
QY 901 ACTCCAGGCGCTGCTGAGCAATTAATCTGAGTGGGGATGACATCTGCTGCTACTCAA 960
Db |||||
QY 901 ACTCCAGGCGCTGCTGAGCAATTAATCTGAGTGGGGATGACATCTGCTGCTACTCAA 960
Db |||||
QY 961 GGAGCCCTGTCTGAGAGGCTGGCCGCTTCCCTGGCAAGGATATACCCCTACCTGT 1020
Db |||||
QY 961 GGAGCCCTGTCTGAGAGGCTGGCCGCTTCCCTGGCAAGGATATACCCCTACCTGT 1020
Db |||||
QY 1021 GACTGTGAGAGAGACCACTCACTGGAAGAGCTGGAGCTCCCTCTCTGTTTCTGA 1080
Db |||||
QY 1021 GACTGTGAGAGAGACCACTCACTGGAAGAGCTGGAGCTCCCTCTCTGTTTCTGA 1080
Db |||||
QY 1081 AGCTGCCACAGGGAGAGTCTTCTTCTAGTGGGCTCTCCGGAGTCCCTCAGCTTCTA 1140
Db |||||
QY 1081 AGCTGCCACAGGGAGAGTCTTCTTCTAGTGGGCTCTCCGGAGTCCCTCAGCTTCTA 1140
Db |||||
QY 1141 CATCAGCTGATGAGAGGCTGTCTTTTGGATGATGCTAG 1183
Db |||||
QY 1141 CATCAGCTGATGAGAGGCTGTCTTTTGGATGATGCTAG 1183
Db |||||
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RESULT 2
US-09-939-853A-76/c
; Sequence 76, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 76
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-76
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Query Match 100.0%; Score 1183; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1183; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCTAGAGCTCCAGAGACCCACAGCCCTGTCTCTGTGACAGAGCTCAAGGGCCCTGGG 60
Db 1183 AGCTAGAGCTCCAGAGACCCACAGCCCTGTCTCTGTGACAGAGCTCAAGGGCCCTGGG 1124

QY 61 CTTTCCCTCCCTGGCTCGGCTGTCTTGGAGGGTTCCTCCAGTCCAGATCCCTTAGGAG 120
Db 1123 CTTTCCCTCCCTGGCTCGGCTGTCTTGGAGGGTTCCTCCAGTCCAGATCCCTTAGGAG 1064

QY 121 CATGGGCGAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCAGACAGATCTGAGCT 180
Db 1063 CATGGGCGAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCAGACAGATCTGAGCT 1004

QY 181 ACCCAACCAACACCTAGCTCTCCCTGAAGATCCTCCAGGCTGAGAGATCTGGGTG 240
Db 1003 ACCCAACCAACACCTAGCTCTCCCTGAAGATCCTCCAGGCTGAGAGATCTGGGTG 944

QY 241 TCCTAGGACCAAGACACTGGCAGACTTCCAGAGGGCCCCCAAGCCCTTAACCTGCCA 300
Db 943 TCCTAGGACCAAGACACTGGCAGACTTCCAGAGGGCCCCCAAGCCCTTAACCTGCCA 884

QY 301 GCCAGAGCATGCTGCTCAGCAGAGCTGTCTTCCCAAGCCCTTGATGACAAACCAATTTCC 360
Db 883 GCCAGAGCATGCTGCTCAGCAGAGCTGTCTTCCCAAGCCCTTGATGACAAACCAATTTCC 824

QY 361 CTGGATGATGTCTTCTGAGTCTCTGCTGAGGAAACAATGGGAAGTCTGCCAGCAGAG 420
Db 823 CTGGATGATGTCTTCTGAGTCTCTGCTGAGGAAACAATGGGAAGTCTGCCAGCAGAG 764

QY 421 AAATCTCTCCAAAGCCCAAGCTTGAGTTCTCTGTCAGAGCCAGGACCTGTGACCAT 480
Db 763 AAATCTCTCCAAAGCCCAAGCTTGAGTTCTCTGTCAGAGCCAGGACCTGTGACCAT 704

QY 481 GGAAGCAGAGAGAGCAGGCGCAGCCGTGGCCCTGGGCGAGTTTCCCGGCGAGGTGGCCC 540
Db 703 GGAAGCAGAGAGAGCAGGCGCAGCCGTGGCCCTGGGCGAGTTTCCCGGCGAGGTGGCCC 644

QY 541 GGCGAGCTGTGCTGAGACTCGGGAGGCAATGACCATCGTCTCTGAGGATGGAGACTG 600
Db 643 GGCGAGCTGTGCTGAGACTCGGGAGGCAATGACCATCGTCTCTGAGGATGGAGACTG 584

QY 601 GTGACGGTCTGCTGAGTCTCAGCAGAGAGTATAACATCCCGAGCGTCCAGTGGG 660
Db |||||
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583 GTGGAGGCTGTCTGAAGTCTCAGGACAGAGAGTATACATCCCAAGCTCCAGTGGG 524
QY 661 CAAAGTCTCCCATGGTGGTCTATGAGGCTGAGCAGGAGGAGAAAGCAGAGGAACTGCT 720
Db 523 CAAAGTCTCCCATGGTGGTCTATGAGGCTGAGCAGGAGGAGAAAGCAGAGGAACTGCT 464
QY 721 GTTGTACTGGGAACCCCTGGAGGGCTTCTCTATCCGGAGAGCCAGACAGAGAGG 780
Db 463 GTTGTACTGGGAACCCCTGGAGGGCTTCTCTATCCGGAGAGCCAGACAGAGAGG 404
QY 781 CTCCTACTCTGTCTCAGTCCGCTCAGCGCCCTCATCCTGGGACCGGATCAGACACTA 840
Db 403 CTCCTACTCTGTCTCAGTCCGCTCAGCGCCCTCATCCTGGGACCGGATCAGACACTA 344
QY 841 CAGGATCCACTGCCCTTGCAATGGCTGGCTGTACATCTCACCGGCCCTCACCTTCCCCTC 900
Db 343 CAGGATCCACTGCCCTTGCAATGGCTGGCTGTACATCTCACCGGCCCTCACCTTCCCCTC 284
QY 901 ACTCAGGCCCTGGTGGACCATTAATCTGTAGCTGGGATGAGATCTGCTGCTACTCAA 960
Db 283 ACTCAGGCCCTGGTGGACCATTAATCTGTAGCTGGGATGAGATCTGCTGCTACTCAA 224
QY 961 GGAGGCCCTGTCTCTGCGAGGGCTGGCCCGCTCCCTGGCAAGGATATACCCCTACCTGT 1020
Db 223 GGAGGCCCTGTCTCTGCGAGGGCTGGCCCGCTCCCTGGCAAGGATATACCCCTACCTGT 164
QY 1021 GACTGTGACAGAGACACCACTCAACTGGAAGAGCTGACAGCTCCCTCCCTGTTTCTGA 1080
Db 163 GACTGTGACAGAGACACCACTCAACTGGAAGAGCTGACAGCTCCCTCCCTGTTTCTGA 104
QY 1081 AGCTGCCACAGGGAGGAGTCTTCTCATGAGGGTCTCCGGGAGTCCCTCAGCTTCTA 1140
Db 103 AGCTGCCACAGGGAGGAGTCTTCTCATGAGGGTCTCCGGGAGTCTCCGGGAGTCTCCCTCAGCTTCTA 44
QY 1141 CATCAGCCTGAATGACGAGGCTGTCTCTTTGGATGATCCCTAG 1183
Db 43 CATCAGCCTGAATGACGAGGCTGTCTCTTTGGATGATCCCTAG 1

RESULT 3
US-10-043-649-1
; Sequence 1, Application US/10043649
; Publication No. US20030059924A1
; GENERAL INFORMATION:
; APPLICANT: Holland, Sacha J.
; APPLICANT: Mendenhall, Marcy K.
; APPLICANT: Pardo, Jorge
; APPLICANT: Spencer, Collin
; APPLICANT: Fu, C. Alan
; APPLICANT: Luo, Ying
; APPLICANT: Pavan, Donald G.
; APPLICANT: Mancebo, Helena S.Y.
; APPLICANT: Wu, Jun
; APPLICANT: Zhou, Xiulan
; APPLICANT: Shen, Mary
; APPLICANT: Liao, X. Charlene
; APPLICANT: Sheng, Ning
; TITLE OF INVENTION: Cloning of a No. US20030059924A1el Inhibitor of Antigen-receptor
; FILE OF INVENTION: Retroviral-based Functional Screen
; FILE REFERENCE: A-70219-1/RMS/DHR
; CURRENT APPLICATION NUMBER: US/10/043,649
; CURRENT FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/260,953
; PRIOR FILING DATE: 2001-01-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 786
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(786)

; OTHER INFORMATION:
US-10-043-649-1
Query Match 66.3%; Score 784.4; DB 15; Length 786;
Best Local Similarity 99.9%; Pred. No. 2.7e-232;
Matches 785; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 398 ATGGGAAGTGTGCCAGCAGAGAAATCTCTCCAAAGCCCAAGCTTGTAGTCTCTCTGTC 457
Db 1 ATGGGAAGTGTGCCAGCAGAGAAATCTCTCCAAAGCCCAAGCTTGTAGTCTCTCTGTC 60
QY 458 CAAAGCCAGGAGCTGTGACCATGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 517
Db 61 CAAAGCCAGGAGCTGTGACCATGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 120
QY 518 GGCAAGTTCCTCCGAGAGTGGCCCGGAGCTCTCTGAGAGAGAGAGAGAGAGAGAGAGAGAG 577
Db 121 GGCAAGTTCCTCCGAGAGTGGCCCGGAGCTCTCTGAGAGAGAGAGAGAGAGAGAGAGAGAG 180
QY 578 ATCGTCTCTGAGAGATGAGAGAGTGGTGGAGAGTCTCTGAACTCTCAGGACAGAGAGTAT 637
Db 181 ATCGTCTCTGAGAGATGAGAGAGTGGTGGAGAGTCTCTGAACTCTCAGGACAGAGAGTAT 240
QY 638 AACATCCCAAGCTTCCAGCTGGGCAAGTCTCCCATGGGTGGCTGTATGAGGGCCTGAGC 697
Db 241 AACATCCCAAGCTTCCAGCTGGGCAAGTCTCCCATGGGTGGCTGTATGAGGGCCTGAGC 300
QY 698 AGGAGAGAGAGAGAGAGTCTGTGTCTTACCTGGGAGAGAGAGAGAGAGAGAGAGAGAGAG 757
Db 301 AGGAGAGAGAGAGAGAGTCTGTGTGTACCTGGGAGAGAGAGAGAGAGAGAGAGAGAGAG 360
QY 758 CGGAGAGAGAGAGAGAGTCTTACTCTCTGTCAGTCCGCTCAGGAGAGAGAGAGAGAGAGAG 817
Db 361 CGGAGAGAGAGAGAGAGTCTTACTCTCTGTCAGTCCGCTCAGGAGAGAGAGAGAGAGAGAG 420
QY 818 TCCTGGAGAGAGAGAGAGTCTGAG 877
Db 421 TCCTGGAGAGAGAGAGAGTCTGAG 480
QY 878 TCACCGGCGCTCAGCTTCCCTCAGTCCAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 937
Db 481 TCACCGGCGCTCAGCTTCCCTCAGTCCAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 540
QY 938 GATGACATCTGTGCTTACTCAAG 997
Db 541 GATGACATCTGTGCTTACTCAAG 600
QY 998 GGCAAGATATACCCCTTACCTGAGTGTGTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1057
Db 601 GGCAAGATATACCCCTTACCTGAGTGTGTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 660
QY 1058 GACAGCTCCCTCTGTTTCTGAAAGTGGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1117
Db 661 GACAGCTCCCTCTGTTTCTGAAAGTGGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
QY 1118 CTCGGAGAGTCCCTCAGCTTCTACATCAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1177
Db 721 CTCGGAGAGTCCCTCAGCTTCTACATCAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 780
QY 1178 GCCTAG 1183
Db 781 GCCTAG 786

RESULT 4
US-09-814-353-21302
; Sequence 21302, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR

; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
 ; FILE OF INVENTION: THERAPY OF OVARIAN CANCER
 ; FILE REFERENCE: MRI-006B
 ; CURRENT APPLICATION NUMBER: US/09/814,353
 ; CURRENT FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: US 60/191,031
 ; PRIOR FILING DATE: 2000-03-21
 ; PRIOR APPLICATION NUMBER: US 60/207,124
 ; PRIOR FILING DATE: 2000-05-25
 ; PRIOR APPLICATION NUMBER: US 60/211,940
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: US 60/216,820
 ; PRIOR FILING DATE: 2000-07-07
 ; PRIOR APPLICATION NUMBER: US 60/220,661
 ; PRIOR FILING DATE: 2000-07-25
 ; PRIOR APPLICATION NUMBER: US 60/257,672
 ; PRIOR FILING DATE: 2000-12-21
 ; NUMBER OF SEQ ID NOS: 22037
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 21302
 ; LENGTH: 864
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: 1_2_3_32, 862, 863, 864
 ; OTHER INFORMATION: n = A,T,C or G
 ; US-09-814-353-21302

Query Match 65.5%; Score 775.4; DB 10; Length 864;
 Best Local Similarity 99.2%; Pred. No. 1.7e-229;
 Matches 779; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY	2	GCTAGAGCTCCAGGACCCACGCCCTGCTCTGTGACAGAGCTCAAGGGCCCTGGGC	61
DB	54	GCTAGAGCTCCAGGACCCACGCCCTGCTCTGTGACAGAGCTCAAGGGCCCTGGGC	113
QY	62	CTTCCCTCCCTGGCTCGGCTGTCTTGGGAGGGTTCCCCAGTCCAGAAATCCCTAAGGAGC	121
DB	114	CTTCCCTCCCTGGCTCGGCTGTCTTGGGAGGGTTCCCCAGTCCAGAAATCCCTAAGGAGC	173
QY	122	ATGGGGCAGCTGATCATCCCTGGTGTACAACTGCTGACTGACAGACAGATCTGAGCTA	181
DB	174	ATGGGGCAGCTGATCATCCCTGGTGTACAACTGCTGACTGACAGACAGATCTGAGCTA	233
QY	182	CCCAAAACCAACACTAGCTCTCCCTGGAAGATCCCTCCAGGCTGAGAGATTCTGGGTGT	241
DB	234	CCCAAAACCAACACTAGCTCTCCCTGGAAGATCCCTCCAGGCTGAGAGATTCTGGGTGT	293
QY	242	CCTAGAACCAAGGACACTGGGACCTTCAGAGAGGCCCCCAAGCCCTTAACCTGTCCAG	301
DB	294	CCTAGAACCAAGGACACTGGGACCTTCAGAGAGGCCCCCAAGCCCTTAACCTGTCCAG	353
QY	302	CCAGAGCATGCGTCTCAGCAGAGCTGTCTTCCAGAGCTTTGATGACAAACCAATTTCCC	361
DB	354	CCAGAGCATGCGTCTCAGCAGAGCTGTCTTCCAGAGCTTTGATGACAAACCAATTTCCC	413
QY	362	TGATGATGTCTTCTGAGTGTCTGCTGAGGAAACAAATGGGAAGTCTGCCAGCAGAAGA	421
DB	414	TGATGATGTCTTCTGAGTGTCTGCTGAGGAAACAAATGGGAAGTCTGCCAGCAGAAGA	473
QY	422	AAATCTCTGCCAGCCAGCTTGAGTCTCTCTGTCCAGGACAGGACCTGTGACCATG	481
DB	474	AAATCTCTGCCAGCCAGCTTGAGTCTCTCTGTCCAGGACAGGACCTGTGACCATG	533
QY	482	GAAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTGGGACGTTTCCCGGACAGGTGGCCCG	541
DB	534	GAAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTGGGACGTTTCCCGGACAGGTGGCCCG	593
QY	542	GCCGAGCTTCGCTGAGATCTGGGAGCCATTTGACCATCGTCTCTGAGGATGGAGCTGG	601
DB	594	GCCGAGCTTCGCTGAGATCTGGGAGCCATTTGACCATCGTCTCTGAGGATGGAGCTGG	653

RESULT 5

US-09-867-550-953

; Sequence 953, Application US/09867550

; Patent No. US20020082206A1

; GENERAL INFORMATION:

; APPLICANT: Leach, Martin D.

; APPLICANT: Mehraban, Fuad,

; APPLICANT: Conley, Pamela

; APPLICANT: Law, Debbie

; APPLICANT: Topper, James

; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and I

; FILE REFERENCE: 21402-013 (Cura-313)

; CURRENT APPLICATION NUMBER: US/09/867,550

; CURRENT FILING DATE: 2001-09-20

; PRIOR APPLICATION NUMBER: USSN 60/208,427

; PRIOR FILING DATE: 2000-05-30

; NUMBER OF SEQ ID NOS: 2125

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 953

; LENGTH: 763

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-867-550-953

Query Match 64.1%; Score 758.2; DB 9; Length 763;

Best Local Similarity 99.6%; Pred. No. 3.5e-224;

Matches 760; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY	113	CTAAGGAGCATGGGCGAGCTGATCCATCCCTGCTGTGTACAACTGCTGACTGCAGACAGAT	172
DB	1	CTATGGAGCATGGGCGAGCTGATCCATCCCTGCTGTGTACAACTGCTGACTGCAGACAGAT	60
QY	173	GCTGAGCTACCCAAACCAACACCTAGCCTTCCCTGAAAGATCCTCCAGGCTGAGAGAGT	232
DB	61	GCTGAGCTACCCAAACCAACACCTAGCCTTCCCTGAAAGATCCTCCAGGCTGAGAGAGT	120
QY	233	TCCTGGGTCTCTAGGACCAAGGACATGGCAGACTTCCAGAGGCCCCCAAGCCCTTAA	292
DB	121	TCCTGGGTCTCTAGGACCAAGGACATGGCAGACTTCCAGAGGCCCCCAAGCCCTTAA	180
QY	293	CCTGTCCAGCCAGAGATGCTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAAC	352
DB	181	CCTGTCCAGCCAGAGATGCTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAAC	240
QY	353	CAATTTCCCTCGATGATGCTTCTGAGTGTCTGCTGAGGACCAATGGGAAGTCTGCC	412
DB	241	CAATTTCCCTCGATGATGCTTCTGAGTGTCTGCTGAGGACCAATGGGAAGTCTGCC	300
QY	413	AGCAGAGAGAAAATCTCTGCCAAGCCCAAGCTTGAGTTCCTGTCTCCAAAGCCGAGACCT	472
DB	301	AGCAGAGAGAAAATCTCTGCCAAGCCCAAGCTTGAGTTCCTGTCTCCAAAGCCGAGACCT	360
QY	473	GTGACCATGGAACAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTTGGGCAATTTCCCGGCA	532
DB	361	GTGACCATGGAACAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTTGGGCAATTTCCCGGCA	420

Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 499
; LENGTH: 2665
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-499

Query Match 13.3%; Score 157.4; DB 9; Length 2665;
Best Local Similarity 54.2%; Pred. No. 5e-38;
Matches 354; Conservative 0; Mismatches 281; Indels 18; Gaps 1;

QY 410 CCACGAGAGAAATCTCTGCAAGCCCAAGCTTGTCTGTCTCAAGGCCAGGGA 469
DB 24 CACGGGAAAGAAAGAAATGGGAACAGCATGAAATCCACCCCTGCCCTGCCAGAGG 83
QY 470 CCGTGTGACCATGAAAGCAGAGAGAGAGAGGACAGCGCGTGCCCTGGGAGTTTCCG 529
DB 84 CCCCTGCCCAACCCGAGGAGTGGATAGCGACTTCTTCCGCTGCTAAGTGACTACCCG 143
QY 530 GCAGGTGGCCCGCGAGCTGTGCTGAGACTCGGGAGCCATTGACCATCGTCTCTGAG 589
DB 144 TCTCTGACATCAGCCCCCGGATATTCGCCGAGGGGAGAACTCGTGTGATTTCTGAT 203
QY 590 GATGGAGACTGTGGACGGTGTCTGAAAGCTATTCTTAGCACTGGTTCGAGAGATTACATCCCTGGA 649
DB 204 GAAGGGGCTGTGGAAAGCTATTCTTTAGCACTGGTTCGAGAGATTACATCCCTGGA 263
QY 650 GTCCACCTGGGCAAGTCTCCCATGGGTGGTATGAGGGCTCAGCAGGGAGAAAGCA 709
DB 264 ATATGTGTGCCAGAGTTTACCATGGCTGGCTCTTATGATCAGAGAGTGTGAG 383
QY 710 GAGGAATCTGTGTTTACCTCTGGGAACCTCTGGAGGGGCTTCTCTCATCCGGAGAGCCAG 829
DB 384 ACCAAGAAAGGTTTACTCACTGTCCGTGAGACAGGCA-----G 425
QY 830 ATCAGACACTACAGGATCAGCTGCTTGACATGGCTGCTGTACATCTCAGCGGCTC 889
DB 426 GTAAGCAATACCGCAATTTCCGCTCTGCGGAACACTGGTACTACATTTCCCGAGGCTC 485
QY 890 ACCTTCCCTCACTCCAGGCGCTGTGGTGGACCAATTACTCTGAGCTGGCGATGACATCTGC 949

DB 486 ACCTTCAGTGTCTGGAGGACCTGGTGAACCACTATTCTTGAGTGGCTGATGCGCTGTGC 545
QY 950 TGCTTACTCAAGAGAGCCCTGTGTCTGCAAGGGCTGGCCCGCTCCTCTGCAAGGATATA 1009
DB 546 TGTGTGCTCACCACGCGCTGCTGTGACACAAAGCAGCGCTGCCCCAGCAGTGTGAGGCGCTCC 605
QY 1010 CCCTTACCTGTGTGACTGTGCAAGGACACCACTCAACTGGAAGAGCTGGACAG 1062
DB 606 AGTCACTGTGTCACTTGGCTGCAAGAGACTGTGGAATGGAGGAGAGTGTCCAG 658

RESULT 11
US-10-342-887-1312
; Sequence 1312, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van t Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCES: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1312
; LENGTH: 2665
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-1312

Query Match 13.3%; Score 157.4; DB 13; Length 2665;
Best Local Similarity 54.2%; Pred. No. 5e-38;
Matches 354; Conservative 0; Mismatches 281; Indels 18; Gaps 1;

QY 410 CCACGAGAGAAATCTCTGCAAGCCCAAGCTTGTGTCTGTCTCAAGGCCAGGGA 469
DB 24 CACGGGAAAGAAAGAAATGGGAACAGCATGAAATCCACCCCTGCCCTGCCAGAGG 83
QY 470 CCGTGTGACCATGAAAGCAGAGAGAGAGAGGACAGCGCGTGCCCTGGGAGTTTCCG 529
DB 84 CCCCTGCCCAACCCGAGGAGTGGATAGCGACTTCTTCCGCTGCTAAGTGTACTACCCG 143
QY 530 GCAGGTGGCCCGCGAGCTGTGCTGAGACTCGGGAGCCATTGACCATCGTCTCTGAG 589
DB 144 TCTCTGACATCAGCCCCCGGATATTCGCCGAGGGGAGAACTCGTGTGATTTCTGAT 203
QY 590 GATGGAGACTGTGGAGCGGTGTCTGAAAGCTCTGAAAGCTGTGAGAGATTACATCCCTGGA 649
DB 204 GAAGGGGCTGTGGAAAGCTATTCTTTAGCACTGGTTCGAGAGATTACATCCCTGGA 263
QY 650 GTCCACCTGGGCAAGTCTCCCATGGGTGGTATGAGGGCTCAGCAGGGAGAAAGCA 709
DB 264 ATATGTGTGCCAGAGTTTACCATGGCTGGCTCTTATGATCAGAGAGTGTGAG 383
QY 710 GAGGAATCTGTGTTTACCTCTGGGAACCTCTGGAGGGGCTTCTCTCATCCGGAGAGCCAG 769
DB 324 GAGGAGCTGTGCACTGTCCGCTGAGACAGGCACTGGTCTGCTTCTCATGATCAGAGAGTGTGAG 383
QY 770 ACCAGGAGAGGCTTCTTACTCTGTGAGTCCGCTCAGCGCCCTGTCATCTCTGGGACCGG 829
DB 384 ACCAAGAAAGGTTTACTCACTGTCCGTGAGACAGGCA-----G 425

QY 830 ATCAGACACTACAGGATCCACTGCTTGTACAATGGCTGGCTGTACATCTCACCGGCGCTC 889
Db 426 GTAAGCATTAACGCATTTTCCTGTCCGGAACAATGGTACTACATTTCCCGAGGCTC 485
QY 890 ACCTTCCCTCACTCCAGGCGCTGGTGGACCAATTAATCTGTAGCTGGCGGATGACATTCGC 949
Db 486 ACCTTCAGTGCCTGGAGGACCTGGTGAACCACTATTCTGAGTGGCTGATGGCTGTGC 545
QY 950 TGCTTACTCAAGAGCGCTGTGTCCTGCGAGAGGCTGGCCGCTCCCTGGCAGGATATA 1009
Db 546 TGTGTCTACACGCGCTGCCTGACACAAAGACGCGCTGCCCGACGATGAGGCGCTCC 605
QY 1010 CCCTTACCTGTGTACTGTGAGAGGACCACTCACTGGAAGAGCTGGACAG 1062
Db 606 AGCTCACCTGTACCTTGGCTCAGAAGACTGTGGACTGGAGGAGAGTGTCCAG 658

RESULT 12

US-10-172-118-1312
; Sequence 1312, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1312
; LENGTH: 2665
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM 006748
; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-1312

Query Match 13.3%; Score 157.4; DB 13; Length 2665;
Best Local Similarity 54.2%; Pred. No. 5e-36;
Matches 354; Conservative 0; Mismatches 281; Indels 18; Gaps 1;
QY 410 CCAGCAGAGAGAAATCTCTGCGAAGCCCAAGCTTGAGTTCTCTGTCCAGGCGCAGGA 469
Db 24 CAGGGAAAGAGAAATGGAAACAGCATGAATCCACCCCTGCGCTGCCGAGG 83
QY 470 CTTGTACCATGGAAGCAGAGAGAAAGCAAGGCCAGCCGCTGGCCCTGGCAGTTTCCCG 529
Db 84 CCCTTGCCCAACCCGAGGAGCTGATAGCGACTTCTTCCGCTCTAAGTACTACCCG 143
QY 530 GCAGTGGCGCGCGAGCTGCTGAGACTCGGGAGCCATTGACCATGCTCTCTGAG 589
Db 144 TCTCTGACATCAGCCCCCGGATATTCGCGCAGGGGAGAACTCGGTGATTTCTGAT 203
QY 590 GATGAGACTGGTGGACGCTGTGCTGAAGTCTCTCAGGCAGAGAGATATAAATCCCCAGC 649
Db 204 GAAGGGGCTGTGGAAAGCTATTCTCTTAGCACTGGTTCGAGAGATTACATCCCTGGA 263
QY 650 GTCCAGTGGGCAAGTCTCCCATGGTGGCTGTATAGGGCTGTAGCAGGAGAGAAAGCA 709
Db 264 ATATGTGTGGCAGAGTTTACCATGGCTGGCTGTTTGGAGGCGCTGGGCGAGAGAGGCC 323
QY 710 GAGGAACCTGCTTGTGTACTGGAAACCTCGAGGGGCGCTTCTCATCCGGGAGAGCCAG 769

Db 324 GAGGAGCTGTGAGCTGCCAGACACAAAGGTGCGGCTCTCTTATGATCAGAGAGAGTGAG 383
QY 770 ACCAGGAGAGGCTCTTACTCTGTCTAGTCCGCTCAGCCGCTCTGATCTCTGGACCGG 829
Db 384 ACCAAGAAAGGGTTTACTCACTGTGCGGTGAGACACAGGCA-----G 425
QY 830 ATCAGACACTACAGGATCCACTGCTTTCACAATGGCTGGCTGTACATCTCACCGGCGCTC 889
Db 426 GTAAGCATTAACGCATTTTCCTGTCCGGAACAATGGTACTACATTTCCCGAGGCTC 485
QY 890 ACCTTCCCTCACTCCAGGCGCTGGTGGACCAATTAATCTGTAGCTGGCGGATGACATTCGC 949
Db 486 ACCTTCAGTGCCTGGAGGACCTGGTGAACCACTATTCTGAGTGGCTGATGGCTGTGC 545
QY 950 TGCTTACTCAAGAGCGCTGTGTCCTGCGAGAGGCTGGCCGCTCCCTGGCAAGGATATA 1009
Db 546 TGTGTCTACACGCGCTGCCTGACACAAAGACGCGCTGCCCGACGATGAGGCGCTCC 605
QY 1010 CCCTTACCTGTGTACTGTGAGAGGACCACTCACTGGAAGAGCTGGACAG 1062
Db 606 AGCTCACCTGTACCTTGGCTCAGAAGACTGTGGACTGGAGGAGAGTGTCCAG 658

RESULT 13

US-10-002-600-91
; Sequence 91, Application US/10002600
; Publication No. US20020137077A1
; GENERAL INFORMATION:
; APPLICANT: Hopkins, Christopher M.
; APPLICANT: Peterson, David P.
; APPLICANT: Cocks, Benjamin P.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS
; FILE REFERENCE: PA-0042 US
; CURRENT APPLICATION NUMBER: US/10/002,600
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 60/243,521
; PRIOR FILING DATE: 2000-10-25
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: PERL Program
; SEQ ID NO 91
; LENGTH: 3756
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Template ID: 059263.15
US-10-002-600-91

Query Match 13.3%; Score 157.4; DB 14; Length 3756;
Best Local Similarity 54.2%; Pred. No. 5.4e-38;
Matches 354; Conservative 0; Mismatches 281; Indels 18; Gaps 1;
QY 410 CCAGCAGAGAGAAATCTCTGCGAAGCCCAAGCTTGAGTTCTCTGTCCAGGCGCAGGA 469
Db 1098 CCAGGAAAAAGAAAGAAATGGGAAACAGCATGAATCCACCCCTGCGCTGCCGAGAG 1157
QY 470 CTTGTACCATGGAAGCAGAGAGAAAGCAAGGCCAGCCGCTGGCCCTGGGCGAGTTTCCCG 529
Db 1158 CCCTTGCCCAACCCGAGGAGCTGGATAGCACTTCTTCCGCTGTAGTACTACCCG 1217
QY 530 GCAGTGGCGCGCGAGCTGCTGAGACTCGGGAGCCATTGACCATGCTCTGAG 589
Db 1218 TCTCTGACATCAGCCCCCGGATATTCCGCGAGGGGAGAAACTCGGTGTGATTTCTGAT 1277
QY 590 GATGAGACTGGTGGAGCGTGTGCTGAAGTCTCAGGCAGAGAGATATAAATCCCCAGC 649
Db 1278 GAAGGGGCTGTGTGGAAGCTATTCTTAGCACTGTGTCGAGAGATTACATCCCTGGA 1337
QY 650 GTCCAGCTGGCGCAAGTCTCCCATGGTGGCTGTATGAGGGGCTGTAGCAGGAGAGAAAGCA 709
Db 1338 ATATGTGTGGCCAGAGTTTACCATGGCTGGCTGTTTGGGGGCTGGGCGAGAGAGGCC 1397

Qy	710	GAGGAACCTGCTGTATTACTTGGGAACCTCGAGGGGCTTCTCTCATCCGGGAGAGCCAG	769
Db	1398	GAGGAGCTGCTGCTCAGCTGCGACACAAAGGTGCGCTCTCTTCATGATCAGAGAGAGTGAG	1457
Qy	770	ACCAGGAGAGGCTCTTACTCTGTGTGAGTCCGCTCAGCGGCCCTGTCATCTGCGACCGG	829
Db	1458	ACCAAGAAAGGTTTACTCACTGCGGTGACAAAGGCA-----G	1499
Qy	830	ATCAGACACTACAGGATCCACTGCCTTGACAAATGGCTGGCTGTACATCTACCGGCGCTC	889
Db	1500	GTAAGACATTTACCGCATTTTCCGCTCTGCCCAACAACTGGTACTACATTTCCCGGAGGCTC	1559
Qy	890	ACCTTCCCTCACTCCAGGCGCTGGTGGACCAATTACTCTGAGCTGGCGGATGACATCTGC	949
Db	1560	ACCTTCAGTGCTGAGAGCACTGGTGAACCACTATTCTGAGGTGGCTGATGGCTGTGC	1619
Qy	950	TGCTACTCAAGAGAGCCCTGTGTCTTGACAGAGGCTGGCGCCCTCCCTGGCAAGATATA	1009
Db	1620	TGTGTGCTCACCAGCGCTGCTGCTGACAAAGACAGGCTGCCCCAGCAGTGGGCGCTCC	1679
Qy	1010	CCCTTACCTGTGACTGTGACAGGACACCACTCAACTGGAAGAGCTGGACAG	1062
Db	1680	AGTCCACCTGTCACTTGGCTGAGAAGACTGTGGACTGGAGGAGTGTCCAG	1732

RESULT 14

US-09-864-761-2829

; Sequence 2829, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE REFERENCES: Aecomica-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408

; PRIOR FILING DATE: 2000-06-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15513
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031662.24
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.1
US-09-864-761-15513

Query Match      12.0%; Score 141.8; DB 9; Length 448;
Best Local Similarity 95.4%; Pred. No. 2.1e-33;
Matches 146; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      912 TGGTGGACCACTTACTCTGAGCTGGCGGATGACATCTGTGCTACTCAAGGAGCCCTGTG 971
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      269 TGGAGTCTCTTCCTCAGAGCTGGCGGATGACATCTGTGCTACTCAAGGAGCCCTGTG 328
QY      972 TCCTGCAGAGGGCTGGCGGCTCCCTGGCAAGGATATACCCCTACTGTGACTGTGCAGA 1031
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      329 TCCTGCAGAGGGCTGGCGGCTCCCTGGCAAGGATATACCCCTACTGTGACTGTGCAGA 388
QY      1032 GGACACCACTCAACTGGAAGAGCTGGACAGCT 1064
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      389 GGACACCACTCAACTGGAAGAGCTGGACAGGT 421
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Job time : 961.828 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 19, 2004, 20:05:26 ; Search time 19 Seconds
(without alignments)
709.178 Million cell updates/sec

Title: US-09-939-853A-75

Perfect score: 1353

Sequence: 1 MGSLSRRKSLPSPSLSSSV.....RESLFFYSLNDEAVSLDDA 261

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Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	370.5	27.4	512	4	US-08-426-509A-16
2	370.5	27.4	512	4	US-08-232-545-16
3	370.5	27.4	512	5	PCT-US95-05008-16
4	360.5	26.6	505	4	US-08-426-509A-17
5	360.5	26.6	505	4	US-08-232-545-17
6	360.5	26.6	505	5	PCT-US95-05008-17
7	344.5	25.5	499	4	US-08-426-509A-19
8	344.5	25.5	499	4	US-08-232-545-19
9	344.5	25.5	499	5	PCT-US95-05008-19
10	340	25.1	508	4	US-09-862-154-1
11	340	25.1	509	3	US-09-039-555B-17
12	340	25.1	509	4	US-08-426-509A-18
13	340	25.1	509	4	US-09-457-040B-8
14	340	25.1	509	4	US-08-232-545-18
15	340	25.1	509	5	PCT-US95-05008-18
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17	315.5	23.3	537	4	US-08-232-545-11
18	315.5	23.3	537	5	PCT-US95-05008-11
19	315.5	23.3	543	4	US-08-426-509A-14
20	315.5	23.3	543	4	US-08-232-545-14
21	315.5	23.3	543	4	US-09-470-881-8
22	315.5	23.3	543	5	PCT-US95-05008-14
23	313.5	23.2	496	2	US-09-006-675-2
24	313.5	23.2	496	3	US-09-228-603A-2
25	312.5	23.1	529	4	US-08-426-509A-15
26	312.5	23.1	529	4	US-08-232-545-15
27	312.5	23.1	529	5	PCT-US95-05008-15

Sequence 12, Appl
Sequence 12, Appl
Sequence 12, Appl
Sequence 2, Appl
Sequence 3, Appl
Sequence 1, Appl
Sequence 7, Appl
Sequence 4, Appl
Sequence 13, Appl
Sequence 4, Appl
Sequence 6, Appl
Sequence 5, Appl
Sequence 5, Appl

ALIGNMENTS

RESULT 1

US-08-426-509A-16
; Sequence 16, Application US/08426509A
; Patent No. 6326469
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Irman G.
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
; TITLE OF INVENTION: TYROSINE KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York,
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/426,509A
; FILING DATE: 21-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/232,545
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-0074-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 512 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: No. 6326469e
; US-08-426-509A-16

Query Match 27.4%; Score 370.5; DB 4; Length 512;
Best Local Similarity 39.8%; Pred. No. 1.7e-31;
Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;

QY 6 SRKSLPSPSSSSVQGGPVTMEARSKATAVALGSPFAGPAELSLRLGEPITIVSED 65
DB 38 SNKQORPVE-SQLLPQGRFQTKDPEEQDIIVALYPVDGHPDDLSFKKGEKMKVLEEH 96
QY 66 GDMWTVLSEVSGREYNIPSHVGVK- ---SHGWLVEGLSRKAEELLILPNCPGAGFLIR 121
DB 97 GEWWAKSLTTKKEGFIPSNYAKLNTLETETEFKDIRKDAERQLLAPGNSAGAFILR 156
QY 122 ESQTRGYSLSVRLSRPASWDRIHRYHICLDNGWLYISPRLTTPPSLQALVDHYSELAD 181
DB 157 ESETLKGFSLSVRDFPVHGDVIRKIRSLDNGGYISPRITPFCISDMIKHYKQAD 216
QY 182 DICCLLKPCVLQAGPLPK 202
DB 217 GLCRRLEKACI-----SPKPK 233

RESULT 2

US-08-232-545-16
; Sequence 16, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Iman G.
; TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)790-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 512 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-232-545-16

Query Match 27.4%; Score 370.5; DB 4; Length 512;
Best Local Similarity 39.8%; Pred. No. 1.7e-31;
Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;

QY 6 SRKSLPSPSSSSVQGGPVTMEARSKATAVALGSPFAGPAELSLRLGEPITIVSED 65
DB 38 SNKQORPVE-SQLLPQGRFQTKDPEEQDIIVALYPVDGHPDDLSFKKGEKMKVLEEH 96
QY 66 GDMWTVLSEVSGREYNIPSHVGVK- ---SHGWLVEGLSRKAEELLILPNCPGAGFLIR 121
DB 97 GEWWAKSLTTKKEGFIPSNYAKLNTLETETEFKDIRKDAERQLLAPGNSAGAFILR 156

QY 122 ESQTRGYSLSVRLSRPASWDRIHRYHICLDNGWLYISPRLTTPPSLQALVDHYSELAD 181
DB 157 ESETLKGFSLSVRDFPVHGDVIRKIRSLDNGGYISPRITPFCISDMIKHYKQAD 216
QY 182 DICCLLKPCVLQAGPLPK 202
DB 217 GLCRRLEKACI-----SPKPK 233

RESULT 3

PCT-US95-05008-16
; Sequence 16, Application PC/TUS9505008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
; APPLICANT: 515 Galveston Drive
; APPLICANT: Redwood City, California 94063-4720
; APPLICANT: United States of America
; APPLICANT: Wissenschaften E.V.
; APPLICANT: Hofgarten Str. 2
; APPLICANT: Munchen 80539
; APPLICANT: Germany
; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05008
; FILING DATE: 24-APR-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/232,545
; FILING DATE: 22-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-074
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 512 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
PCT-US95-05008-16

Query Match 27.4%; Score 370.5; DB 5; Length 512;
Best Local Similarity 39.8%; Pred. No. 1.7e-31;
Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;

QY 6 SRKSLPSPSSSSVQGGPVTMEARSKATAVALGSPFAGPAELSLRLGEPITIVSED 65
DB 38 SNKQORPVE-SQLLPQGRFQTKDPEEQDIIVALYPVDGHPDDLSFKKGEKMKVLEEH 96
QY 66 GDMWTVLSEVSGREYNIPSHVGVK- ---SHGWLVEGLSRKAEELLILPNCPGAGFLIR 121
DB 97 GEWWAKSLTTKKEGFIPSNYAKLNTLETETEFKDIRKDAERQLLAPGNSAGAFILR 156

QY 122 ESOTRRGYSLSVRLSRPASWDRIHYRHCLDNGWLYISPRLTFFPSIQALVDHYSELAD 181
Db 157 ESETLKGFSLSVRDFDVHGDVIRKIRSLDNGYIISPRITFPCCISDMIKHYQKQAD 216
QY 182 DICLLKEPCVLQRAGPLPK 202
Db 217 GLCRRLERACI----SPKPK 233

RESULT 4

US-08-426-509A-17
; Sequence 17, Application US/08426509A
; Patent No. 6326469
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizsky, Mikhail
; APPLICANT: Sures, Iman G.
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
; TITLE OF INVENTION: TYROSINE KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York,
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/426,509A
; FILING DATE: 21-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/232,545
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7693-0074-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 505 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
US-08-426-509A-17

Query Match 26.6%; Score 360.5; DB 4; Length 505;
Best Local Similarity 41.6%; Pred. No. 2e-30;
Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;
QY 12 PPSLSVSSVQGGPVTMEARSKATAVALGSPAGGPAELSLRLGEPPLIVSEGDGWTV 71
Db 40 PGPNSHNS--NTPGIREAGSEDIIVVALVDYEAIIHHEDLSFQKGDQMVVLEESGEWKA 96
QY 72 LSEVSGREYNIPSVHVGKV----SHGWLVEGLSRKAEELLILLPGNPGGAFLIRSOETR 127
Db 97 RSLATRKGYIPSNYVARVDSLTEEFKGISRKDAERQLLAPGNMGLSFMIRDSETTK 156
QY 128 GYSLSVRLSRPASWDRIHYRHCLDNGWLYISPRLTFFPSIQALVDHYSELADICLL 187
Db 157 GYSLSVLRDVPDQGGTVKHKIRTLDNGGFYISPRSTFTSTLQELVDHYKKGNDGLCQKL 216
QY 188 KEPCV 192

RESULT 6

PCT-US95-05008-17
; Sequence 17, Application PC/TUS9505008
; GENERAL INFORMATION:

Db 217 SVPCM 221
RESULT 5
US-08-232-545-17
; Sequence 17, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizsky, Mikhail
; APPLICANT: Sures, Iman G.
; TITLE OF INVENTION: NO. 6506578el Megakaryocytic Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7693-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 505 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-232-545-17
Query Match 26.6%; Score 360.5; DB 4; Length 505;
Best Local Similarity 41.6%; Pred. No. 2e-30;
Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;
QY 12 PPSLSVSSVQGGPVTMEARSKATAVALGSPAGGPAELSLRLGEPPLIVSEGDGWTV 71
Db 40 PGPNSHNS--NTPGIREAGSEDIIVVALVDYEAIIHHEDLSFQKGDQMVVLEESGEWKA 96
QY 72 LSEVSGREYNIPSVHVGKV----SHGWLVEGLSRKAEELLILLPGNPGGAFLIRSOETR 127
Db 97 RSLATRKGYIPSNYVARVDSLTEEFKGISRKDAERQLLAPGNMGLSFMIRDSETTK 156
QY 128 GYSLSVRLSRPASWDRIHYRHCLDNGWLYISPRLTFFPSIQALVDHYSELADICLL 187
Db 157 GYSLSVLRDVPDQGGTVKHKIRTLDNGGFYISPRSTFTSTLQELVDHYKKGNDGLCQKL 216
QY 188 KEPCV 192
Db 217 SVPCM 221

APPLICANT: Sugen, Inc.
APPLICANT: 515 Galveston Drive
APPLICANT: Redwood City, California 94063-4720
APPLICANT: United States of America
APPLICANT: Wissenschaften E.V.
APPLICANT: Hofgarten Str. 2
APPLICANT: Munchen 80539
APPLICANT: Germany
TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
TITLE OF INVENTION: Kinases
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSER: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05008
FILING DATE: 24-APR-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/232,545
FILING DATE: 22-APR-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-074
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212)869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 505 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
PCT-US95-05008-17

Query Match 26.6%; Score 360.5; DB 5; Length 505;
Best Local Similarity 41.6%; Pred. No. 2e-30; Mismatches 70; Indels 7; Gaps 2;
Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;

QY 12 PPSLSVSVQGGPVMTAERSKATAVALGSPAGGPAELSLRLGEPPLTIVSEPDGWWTV 71
DB 40 PGPNSHNS---NTPGIRBAGSEDIIVVALYDYEAHHEDLSFQXGDMVLEESGEWWKA 96
QY 72 LSEVSGREYNIPSVHVGVK---SHGMYEGLSREKAEELLPLGPNPGGFLIRESQTRR 127
DB 97 RSLATRKGYIPSNVAVDSLETEEFKGISRKDAERQLAPGNMLGFMINDSETTK 156
QY 128 GSYLSVLSRSPAGWDRIRHYRHCLDNGMWLYISPRITFPLSQALVDHYSELADDDICLL 187
DB 157 GSYLSVLDYDPRQDGVKHYKIRTLNDNGGYISPRSTFTSLQELVDHYKKGNDGLCQL 216
QY 188 KPCV 192
DB 217 SVPCM 221

RESULT 7
US-08-426-509A-19
; Sequence 19, Application US/08426509A
; Patent No. 6326469

GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Gishizsky, Mikhail
APPLICANT: Sures, Iman G.
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
TITLE OF INVENTION: TYROSINE KINASES
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/426,509A
FILING DATE: 21-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/232,545
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-0074-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 499 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: No. 6326469e
US-08-426-509A-19

Query Match 25.5%; Score 344.5; DB 4; Length 499;
Best Local Similarity 36.0%; Pred. No. 1.1e-28;
Matches 80; Conservative 32; Mismatches 73; Indels 37; Gaps 4;

QY 1 MGSPLSRKSLPSLSVSVQGGPV-----TMEASRSK 34
DB 1 MGLLSKRO-----VSEKKGWSVKIRTDKAPPLPLVFNHLPSPNQDPDEE 54
QY 35 ATAVALGSPAGGPAELSLRLGEPPLTIVSEPDGWWTVLSEVSGREYNIPSVHVGVKVS--- 91
DB 55 RFVVALFDYAAVNDRLQVLKGEKLQVLRSTGDMWLARSVLVTGREGVVPSNFVAPVETLE 114
QY 92 -HGMVLEGLSREKAEELLPLGPNPGGFLIRESQTRGSGYSLSVLSRSPAGWDRIRHYRI 150
DB 115 VKWFFRTRISRKDAERQLAPGNKAGSFLIRESNKGAFSLSVK-DITTOGEVVVKHYKI 173
QY 151 HCLDNGMWLYISPRITFPLSQALVDHYSELADDDICLLKPCV 192
DB 174 RSLDNGGYVISPRITFPLQALVQHYSKKGDLGCLQKLTLPV 215

RESULT 8
US-08-232-545-19
; Sequence 19, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Gishizsky, Mikhail
APPLICANT: Sures, Iman G.
TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine

```

; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 499 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; PCT-US95-05008-19

Query Match 25.5%; Score 344.5; DB 5; Length 499;
Best Local Similarity 36.0%; Pred. No. 1.1e-28;
Matches 80; Conservative 32; Mismatches 73; Indels 37; Gaps 4;

QY 1 MGSLSRRKSLSPSLSSSVQGGPV-----TWAEERSK 34
DB 1 MGLSSKRQ-----VSEKKGWSPVKIRTDKAPPLPLVFNHLPSPNQDPDEE 54

QY 35 ATAVAGSPAGGPAELSLRLGEPITIVSEGDGWTVLSEVSGREYNIPSVHVGKVS--- 91
DB 55 RFVVALFDYAANDRDQLVKKEKQLVLRSTGDWNLARSLVTGREGYVPSNFVAPVETLE 114

QY 92 -HGWLYEGLSRKAELELLLPNGPGAFILRESQTRRGSYLSVLSPASWDRIHYRI 150
DB 115 VEKWFRTISRKDAERQLLAPNKNAGSFLIRSESNKGAFSLSVK-DITTOGEVVKHYKI 173

QY 151 HCLDNGWLYISPRITPPLPSLOALVDHYSELADDDICLLKEPCV 192
DB 174 RSLDNGGYISPRITPPLTQALVQHYSKGDLGCKLTLPCV 215

RESULT 9
PCT-US95-05008-19
; Sequence 19, Application PC/TUS9505008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
; APPLICANT: 515 Galveston Drive
; APPLICANT: Redwood City, California 94063-4720
; APPLICANT: United States of America
; APPLICANT: Wissenschaften E.V.
; APPLICANT: Hofgarten Str. 2
; APPLICANT: Munchen 80539
; APPLICANT: Germany
; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
; KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds

; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 499 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; PCT-US95-05008-19

Query Match 25.5%; Score 344.5; DB 5; Length 499;
Best Local Similarity 36.0%; Pred. No. 1.1e-28;
Matches 80; Conservative 32; Mismatches 73; Indels 37; Gaps 4;

QY 1 MGSLSRRKSLSPSLSSSVQGGPV-----TWAEERSK 34
DB 1 MGLSSKRQ-----VSEKKGWSPVKIRTDKAPPLPLVFNHLPSPNQDPDEE 54

QY 35 ATAVAGSPAGGPAELSLRLGEPITIVSEGDGWTVLSEVSGREYNIPSVHVGKVS--- 91
DB 55 RFVVALFDYAANDRDQLVKKEKQLVLRSTGDWNLARSLVTGREGYVPSNFVAPVETLE 114

QY 92 -HGWLYEGLSRKAELELLLPNGPGAFILRESQTRRGSYLSVLSPASWDRIHYRI 150
DB 115 VEKWFRTISRKDAERQLLAPNKNAGSFLIRSESNKGAFSLSVK-DITTOGEVVKHYKI 173

QY 151 HCLDNGWLYISPRITPPLPSLOALVDHYSELADDDICLLKEPCV 192
DB 174 RSLDNGGYISPRITPPLTQALVQHYSKGDLGCKLTLPCV 215

RESULT 10
US-09-862-154-1
; Sequence 1, Application US/09862154
; Patent No. 589758
; GENERAL INFORMATION:
; APPLICANT: Zhu, Xiaotian
; TITLE OF INVENTION: Crystal of a Kinase-Ligand Complex and Methods of Use
; FILE REFERENCE: Atty. Docket No. 6589758; A-749
; CURRENT APPLICATION NUMBER: US/09/862,154
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 508
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-862-154-1

```

Query Match 25.1%; Score 340; DB 4; Length 508;

Best Local Similarity 40.6%; Pred. No. 3.5e-28;

Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSPAGGPAELSLRLGEPFLIVSDGDWTVLSEVSGRE 79
 DB 48 VTYESNPASPLOQNLVIALHSYFSDHGDGLGFEKGEQLRIEQLSGGEWKAQSLTTGQE 107
 QY 80 YNIPSVHVCKVS----HGWLVEGLSREKAEELLPLGNPGGAFLIRESQTRRGYSLSVR 135
 DB 108 GFIPNFVAKANSLEPEPFKNLSRKDAERQLLAPGNTHGSFLIRESESTAGSFSLVR 167
 QY 136 LSRPASWDRIHYRHCHLDNGWLYISPRITFPSLOALVDHYSELADDCICLLKEPCVLQR 195
 DB 168 DFDQNGEVVVKYKIRNLNDGGFYISPRITFPLGLHVLVRYHTNASDGLCTRLSRPCQTQK 227

RESULT 11

US-09-039-555B-17
 ; Sequence 17, Application US/09039555B

; Patent No. 6033856

; GENERAL INFORMATION:

; APPLICANT: Koerner, Kathrin

; APPLICANT: Mueller, Rolf

; APPLICANT: Sadlcek, Hans-Harald

; TITLE OF INVENTION: PROMOTER OF THE CDC25B GENE, ITS

; TITLE OF INVENTION: PREPARATION AND USE

; NUMBER OF SEQUENCES: 19

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Foley & Lardner

; STREET: 3000 K Street, N.W., Suite 500

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20007-5109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/039,555B

; FILING DATE: 16-MAR-1998

; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: DE 19710643.9

; FILING DATE: 14-MAR-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Bent, Stephen A.

; REGISTRATION NUMBER: 29,768

; REFERENCE/DOCKET NUMBER: 016779/0131

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202)672-5300

; TELEFAX: (202)672-5399

; TELEX: 904136

; INFORMATION FOR SEQ ID NO: 17:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 509 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-039-555B-17

Query Match 25.1%; Score 340; DB 3; Length 509;

Best Local Similarity 40.6%; Pred. No. 3.5e-28;

Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSPAGGPAELSLRLGEPFLIVSDGDWTVLSEVSGRE 79
 DB 49 VTYESNPASPLOQNLVIALHSYFSDHGDGLGFEKGEQLRIEQLSGGEWKAQSLTTGQE 108

QY 80 YNIPSVHVCKVS----HGWLVEGLSREKAEELLPLGNPGGAFLIRESQTRRGYSLSVR 135
 DB 109 GFIPNFVAKANSLEPEPFKNLSRKDAERQLLAPGNTHGSFLIRESESTAGSFSLVR 168
 QY 136 LSRPASWDRIHYRHCHLDNGWLYISPRITFPSLOALVDHYSELADDCICLLKEPCVLQR 195
 DB 169 DFDQNGEVVVKYKIRNLNDGGFYISPRITFPLGLHVLVRYHTNASDGLCTRLSRPCQTQK 228

RESULT 12

US-08-426-509A-18

; Sequence 18, Application US/08426509A

; Patent No. 6326469

; GENERAL INFORMATION:

; APPLICANT: Ullrich, Axel

; APPLICANT: Gishizky, Mikhail

; APPLICANT: Sures, Irman G.

; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN

; TITLE OF INVENTION: TYROSINE KINASES

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York,

; STATE: NY

; COUNTRY: USA

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/426,509A

; FILING DATE: 21-APR-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/232,545

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Coruzzi, Laura A

; REGISTRATION NUMBER: 30,742

; REFERENCE/DOCKET NUMBER: 7683-0074-999

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-790-9090

; TELEFAX: 212-869-9741

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 18:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 509 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: unknown

US-08-426-509A-18

Query Match 25.1%; Score 340; DB 4; Length 509;

Best Local Similarity 40.6%; Pred. No. 3.5e-28;

Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSPAGGPAELSLRLGEPFLIVSDGDWTVLSEVSGRE 79
 DB 49 VTYESNPASPLOQNLVIALHSYFSDHGDGLGFEKGEQLRIEQLSGGEWKAQSLTTGQE 108

QY 80 YNIPSVHVCKVS----HGWLVEGLSREKAEELLPLGNPGGAFLIRESQTRRGYSLSVR 135
 DB 109 GFIPNFVAKANSLEPEPFKNLSRKDAERQLLAPGNTHGSFLIRESESTAGSFSLVR 168
 QY 136 LSRPASWDRIHYRHCHLDNGWLYISPRITFPSLOALVDHYSELADDCICLLKEPCVLQR 195
 DB 169 DFDQNGEVVVKYKIRNLNDGGFYISPRITFPLGLHVLVRYHTNASDGLCTRLSRPCQTQK 228

RESULT 13

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US-09-457-040B-8
; Sequence 8, Application US/09457040B
; Patent No. 6387641
; GENERAL INFORMATION:
; APPLICANT: Vertex Pharmaceuticals Incorporated
; APPLICANT: Bellon, Steve
; TITLE OF INVENTION: Crystallized P38 Complexes
; FILE REFERENCE: VPI/98-14
; CURRENT APPLICATION NUMBER: US/09/457,040B
; CURRENT FILING DATE: 1999-12-08
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 509
; TYPE: PRT
; ORGANISM: Human
US-09-457-040B-8

Query Match      25.1%; Score 340; DB 4; Length 509;
Best Local Similarity 40.6%; Pred. No. 3.5e-28;
Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSFPAGGPAELSLRLGELPLTIVSDGDWTVLSEVSGRE 79
Db 49 VTYESGNPPASPLQDNLVIALHSYEPFHDGLGFEKGEQLRILEQSGEWKQAQSLTTGQE 108
QY 80 YNIPSVHVGKVS---HGWLYEGLSREKAEELLLPGNPGGAFLIRESQTRRGYSLSVR 135
Db 109 GFIPNFVAKANSLEPEPWFKNLSRKAERQLLAPGNTHGSFLIRESESTAGSFSLVR 168
QY 136 LSRPASWDRIHYRIHCLDNGWLYISPLTPPSLQALVDHYSELADDDICLLKEPCVLR 195
Db 169 DFDQNGQEVVKYKIRNLNDGGFYISPRITFPGLHVLVRHYTNASDGLCTRLSRPCQTOK 228

RESULT 14
US-08-232-545-18
; Sequence 18, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Iman G
; TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)669-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 509 amino acids
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein

US-09-457-040B-8
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-232-545-18

Query Match      25.1%; Score 340; DB 4; Length 509;
Best Local Similarity 40.6%; Pred. No. 3.5e-28;
Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSFPAGGPAELSLRLGELPLTIVSDGDWTVLSEVSGRE 79
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QY 80 YNIPSVHVGKVS---HGWLYEGLSREKAEELLLPGNPGGAFLIRESQTRRGYSLSVR 135
Db 109 GFIPNFVAKANSLEPEPWFKNLSRKAERQLLAPGNTHGSFLIRESESTAGSFSLVR 168
QY 136 LSRPASWDRIHYRIHCLDNGWLYISPLTPPSLQALVDHYSELADDDICLLKEPCVLR 195
Db 169 DFDQNGQEVVKYKIRNLNDGGFYISPRITFPGLHVLVRHYTNASDGLCTRLSRPCQTOK 228

RESULT 15
PCT-US95-05008-18
; Sequence 18, Application PC/TUS9505008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
; APPLICANT: 515 Galveston Drive
; APPLICANT: Redwood City, California 94063-4720
; APPLICANT: United States of America
; APPLICANT: Wissenschaften E.V.
; APPLICANT: Hofgarten Str. 2
; APPLICANT: Munchen 80539
; APPLICANT: Germany
; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05008
; FILING DATE: 24-APR-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-074
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)669-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 509 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
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PCT-US95-05008-18

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Query Match      25.1%; Score 340; DB 5; Length 509;
Best Local Similarity 40.6%; Fred.No. 3.5e-28;
Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSPFAGGPABLSRLGELPLTIVSEDDGDWWTVLSEVSQRE 79
Db 49 VTIEGSNPPASPLQDNLVIALHSYEPSHDGDLGPEKGEQLRLIQSGEWWKAQSLTTQOE 108
QY 80 YNIPSVHVYKVS-----HGWLYEGLSREKABELLLLPGNPGGAPLIRESQTRRGYSLSVR 135
Db 109 GFIPNFVAKANSLEPEPFKNLSRKDAERQLAPGNTHGSLFIRESESTAGSFSLSVR 168
QY 136 LSRPASWDRIHRHCHLDNGWLYISPLTPPSLQALVDHYSELADDICLLKEPCVLQR 195
Db 169 DFDQNGQEVWKYKIRNLNDNGGFYISPRITPFGLHELVRHYTNASDGLCTLSRPPCOTQK 228

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Search completed: July 19, 2004, 20:11:12
Job time : 20 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 19, 2004, 20:05:56 ; Search time 46 Seconds
(without alignments)
1773.442 Million cell updates/sec

Title: US-09-939-853A-75

Perfect score: 1353

Sequence: 1 MSLPSRRKSLPSLSVSV.....RESLFFYISLNDVAVSLDDA 261

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1285345 seqs, 312560633 residues

Total number of hits satisfying chosen parameters: 1285345

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PTCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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- 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
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- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
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- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	length	ID	Description
1	1353	100.0	261	12 US-09-939-853A-75	Sequence 75, Appl
2	1347	99.6	261	12 US-09-939-853A-77	Sequence 77, Appl
3	1347	99.6	261	14 US-10-043-649-2	Sequence 2, Appli
4	1036	76.6	197	12 US-09-939-853A-78	Sequence 78, Appl
5	828	61.0	159	9 US-09-867-550-954	Sequence 954, Appl
6	747.5	55.2	179	12 US-09-939-853A-79	Sequence 79, Appl
7	586	43.3	113	9 US-09-867-550-1916	Sequence 1916, Ap
8	491.5	36.3	281	12 US-09-939-853A-80	Sequence 80, Appl
9	481.5	35.6	276	9 US-09-870-759-64	Sequence 64, Appl
10	481.5	35.6	276	10 US-09-751-708A-64	Sequence 64, Appl
11	481.5	35.6	276	12 US-09-939-853A-81	Sequence 81, Appl
12	481.5	35.6	276	14 US-10-043-649-3	Sequence 3, Appli
13	452.5	33.4	96	9 US-09-867-550-952	Sequence 952, App
14	370.5	27.4	511	15 US-10-394-322A-42	Sequence 42, Appl
15	370.5	27.4	512	9 US-09-977-269-16	Sequence 16, Appl

16	370.5	27.4	512	9 US-09-977-260-16	Sequence 16, Appl
17	370.5	27.4	512	10 US-09-977-261-16	Sequence 16, Appl
18	370.5	27.4	512	15 US-10-116-275-162	Sequence 162, App
19	360.5	26.6	505	9 US-09-977-269-17	Sequence 17, Appl
20	360.5	26.6	505	9 US-09-977-260-17	Sequence 17, Appl
21	360.5	26.6	505	10 US-09-977-261-17	Sequence 17, Appl
22	360.5	26.6	505	15 US-10-193-720-2	Sequence 2, Appli
23	360.5	26.6	526	12 US-10-276-633-3	Sequence 3, Appli
24	360.5	26.6	526	15 US-10-394-322A-31	Sequence 31, Appl
25	352.5	26.1	504	15 US-10-394-322A-4	Sequence 4, Appli
26	352.5	26.1	505	9 US-09-771-161A-186	Sequence 186, App
27	348	25.7	509	15 US-10-366-288-28	Sequence 28, Appl
28	344.5	25.5	499	9 US-09-977-269-19	Sequence 19, Appl
29	344.5	25.5	499	9 US-09-977-260-19	Sequence 19, Appl
30	344.5	25.5	499	10 US-09-977-261-19	Sequence 19, Appl
31	340	25.1	437	12 US-09-805-020-39	Sequence 39, Appl
32	340	25.1	508	15 US-10-394-322A-41	Sequence 41, Appl
33	340	25.1	509	9 US-09-977-269-18	Sequence 18, Appl
34	340	25.1	509	9 US-09-977-260-18	Sequence 18, Appl
35	340	25.1	509	10 US-09-977-261-18	Sequence 18, Appl
36	340	25.1	509	14 US-10-212-346-1	Sequence 1, Appli
37	337	24.9	567	12 US-09-805-020-40	Sequence 40, Appl
38	322.5	23.8	454	9 US-09-771-161A-95	Sequence 95, Appl
39	318.5	23.5	537	9 US-09-771-161A-212	Sequence 212, App
40	318.5	23.5	537	9 US-09-771-161A-213	Sequence 213, App
41	315.5	23.3	311	9 US-09-771-161A-121	Sequence 121, App
42	315.5	23.3	387	9 US-09-771-161A-122	Sequence 122, App
43	315.5	23.3	536	15 US-10-394-322A-30	Sequence 30, Appl
44	315.5	23.3	537	9 US-09-977-269-11	Sequence 11, Appl
45	315.5	23.3	537	9 US-09-977-260-11	Sequence 11, Appl

ALIGNMENTS

RESULT 1

US-09-939-853A-75
; Sequence 75, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939, 853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 75
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-939-853A-75

Query Match 100.0%; Score 1353; DB 12; Length 261;
Best Local Similarity 100.0%; Pred. No. 6.9e-125; Indels 0; Gaps 0;
Matches 261; Conservative 0; Mismatches 0;
Qy 1 MSLPSRRKSLPSLSVSVQGGQFVTMEASRSKATAVALGSPAGGPAELSLRLGEP 60
Db 1 MSLPSRRKSLPSLSVSVQGGQFVTMEASRSKATAVALGSPAGGPAELSLRLGEP 60
Qy 61 IVSDEGDWMTVLVSVSREYNIPSVHVGVKSHGWLVEGLSREKAEELLLPGNPGGAFLI 120
Db 61 IVSDEGDWMTVLVSVSREYNIPSVHVGVKSHGWLVEGLSREKAEELLLPGNPGGAFLI 120

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Db 121 RESQTRRGYSLSVRLSRPASWDRIHRYHICLDNGWLYISPRITFPPSLQALVDHYSELA 180
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QY 181 DDCICLLKEPCVQLQAGPLPGKDIPLPVTQRTPLNWKELDSLLFSEAATGEESLLSEG 240
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QY 241 LRESLSFYISLNDEAVSLDDA 261
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Db 241 LRESLSFYISLNDEAVSLDDA 261
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RESULT 2

US-09-939-853A-77
; Sequence 77, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 77
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-939-853A-77

Query Match 99.6%; Score 1347; DB 12; Length 261;
Best Local Similarity 99.6%; Pred. No. 2.7e-124;
Matches 260; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db 1 MGSLSRRKSLPSLSVSSVQGGPVTMEAEBSKATAVALGSPAGGPAELSRLGPELT 60
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QY 61 IVSEGDGDMWTVLSEVSGREYNIPSVHVGVKSHGWLYEGLSREKABELLLPQNPFGAFLI 120
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Db 61 IVSEGDGDMWTVLSEVSGREYNIPSVHVGVKSHGWLYEGLSREKABELLLPQNPFGAFLI 120
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QY 121 RESQTRRGYSLSVRLSRPASWDRIHRYHICLDNGWLYISPRITFPPSLQALVDHYSELA 180
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QY 241 LRESLSFYISLNDEAVSLDDA 261
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Db 241 LRESLSFYISLNDEAVSLDDA 261
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RESULT 3

US-10-043-649-2
; Sequence 2, Application US/10043649
; Publication No. US20030059924A1
; GENERAL INFORMATION:
; APPLICANT: Holland, Sacha J.
; APPLICANT: Mengdenhall, Marcy K.
; APPLICANT: Pardo, Jorge
; APPLICANT: Spencer, Collin

; APPLICANT: Fu, C. Alan
; APPLICANT: Luo, Ying
; APPLICANT: Pavan, Donald G.
; APPLICANT: Mancebo, Helena S.Y.
; APPLICANT: Wu, Jun
; APPLICANT: Zhou, Xiulan
; APPLICANT: Shen, Mary
; APPLICANT: Liao, X. Charlene
; TITLE OF INVENTION: Cloning of a No. US20030059924A1 Inhibitor of Antigen-receptor
; FILE REFERENCE: A-70219-1/RMS/DHR
; CURRENT APPLICATION NUMBER: US/10/043,649
; CURRENT FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/260,953
; PRIOR FILING DATE: 2001-01-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 2
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-043-649-2

Query Match 99.6%; Score 1347; DB 14; Length 261;
Best Local Similarity 99.8%; Pred. No. 2.7e-124;
Matches 260; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db 1 MGSLSRRKSLPSLSVSSVQGGPVTMEAEBSKATAVALGSPAGGPAELSRLGPELT 60
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QY 61 IVSEGDGDMWTVLSEVSGREYNIPSVHVGVKSHGWLYEGLSREKABELLLPQNPFGAFLI 120
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Db 61 IVSEGDGDMWTVLSEVSGREYNIPSVHVGVKSHGWLYEGLSREKABELLLPQNPFGAFLI 120
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QY 121 RESQTRRGYSLSVRLSRPASWDRIHRYHICLDNGWLYISPRITFPPSLQALVDHYSELA 180
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Db 121 RESQTRRGYSLSVRLSRPASWDRIHRYHICLDNGWLYISPRITFPPSLQALVDHYSELA 180
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QY 181 DDCICLLKEPCVQLQAGPLPGKDIPLPVTQRTPLNWKELDSLLFSEAATGEESLLSEG 240
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Db 181 DDCICLLKEPCVQLQAGPLPGKDIPLPVTQRTPLNWKELDSLLFSEAATGEESLLSEG 240
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QY 241 LRESLSFYISLNDEAVSLDDA 261
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Db 241 LRESLSFYISLNDEAVSLDDA 261
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RESULT 4

US-09-939-853A-78
; Sequence 78, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 78
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Homo sapiens

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US-09-939-853A-78
Query Match      76.6%; Score 1036; DB 12; Length 197;
Best Local Similarity 99.5%; Pred. No. 8.8e-94;
Matches 196; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 65 DGDWMTVLSVSGREYNTPSVHVGVKSHGWLVEGLSREKAEELLLPGNPGGAFLIRESQ 124
DB 1 DGDWMTVLSVSGREYNTPSVHVAKVSHGWLVEGLSREKAEELLLPGNPGGAFLIRESQ 60
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DB 61 TERGSYSLSVLRSPASWDRIHRYIHCLDNGWLYISPRLTFFPSLQALVDHYSELADDIC 120
QY 185 CLKKEPCVLRAGPLPGKDIPLVTVTQRTPLNWKELDSLLFSEAATGEESLLSEGLRES 244
DB 121 CLKKEPCVLRAGPLPGKDIPLVTVTQRTPLNWKELDSLLFSEAATGEESLLSEGLRES 180
QY 245 LSFYISLNDEAVSLDDA 261
DB 181 LSFYISLNDEAVSLDDA 197

RESULT 5
US-09-867-550-954
; Sequence 954, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 954
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-867-550-954

Query Match      61.0%; Score 826; DB 9; Length 159;
Best Local Similarity 99.4%; Pred. No. 3.4e-73;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MGSLLPERRKSLPSPSSVQGGPVTMEASRSKATAVALGSPAGGPAELSLRLGEPLT 60
DB 1 MGSLLPERRKSLPSPSSVQGGPVTMEASRSKATAVALGSPAGGPAELSLRLGEPLT 60
QY 61 IVSEDDGWTVLSEVSGREYNTPSVHVGVKSHGWLVEGLSREKAEELLLPGNPGGAFLI 120
DB 61 IVSEDDGWTVLSEVSGREYNTPSVHVAKVSHGWLVEGLSREKAEELLLPGNPGGAFLI 120
QY 121 RESQTRGYSYLSVLRSPASWDRIHRYIHCLDNGWLY 159
DB 121 RESQTRGYSYLSVLRSPASWDRIHRYIHCLDNGWLY 159

RESULT 6
US-09-939-853A-79
; Sequence 79, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
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; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 79
; LENGTH: 179
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-939-853A-79

Query Match      55.2%; Score 747.5; DB 12; Length 179;
Best Local Similarity 81.8%; Pred. No. 2.3e-65;
Matches 148; Conservative 11; Mismatches 19; Indels 3; Gaps 2;

QY 82 IPSVHVGVKSHGWLVEGLSREKAEELLLPGNPGGAFLIRESQTRRGYSYLSVLRSPAS 141
DB 1 MPSVYVAKVAHGWLYEGLSREKAEELLLPGNPGGAFLIRESQTRRGYSYLSVLRSPAS 60
QY 142 WDRIRHYRIHCLDNGWLYISPRLTFFPSLQALVDHYSELADDICCLKKEPCVLRAGPLPG 201
DB 61 WDRIRHYRIHCLDNGWLYISPRLTFFPSLQALVDHYSELADDICCLKKEPCVLRAGPLPG 120
QY 202 KDPLPVTVTQRTPLNWKELDSLLFSEA-ATGEESLLSEGLRESLFFYISLNDEAVSLDD 260
DB 121 KDPLPVTVTQRTPLNWKELDSLLFSEAATGEESLLSEGLRESLFFYISLNDEAVSLDD 178
QY 261 A 261
DB 179 A 179

RESULT 7
US-09-867-550-1916
; Sequence 1916, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1916
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)
; OTHER INFORMATION: Wherein Xaa may be any one of Arg or Gly or Trp
US-09-867-550-1916

Query Match      43.3%; Score 586; DB 9; Length 113;
Best Local Similarity 100.0%; Pred. No. 1e-49;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 150 IHCLDNGWLYISPRLTFFPSLQALVDHYSELADDICCLKKEPCVLRAGPLPGKDIPLPVT 209
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Db      2  IHCLDNGWLYISRLTFPSLQALVDHYSELADDDICLLKEPCVLOAGPLPGKDIPLPVT 61
QY      210 VORTPLNWKELSSLLFSEAAATGEESLLSEGLRESLSFYISLNDRAVSLDDA 261
Db      62 VQRTPLNWKELSSLLFSEAAATGEESLLSEGLRESLSFYISLNDRAVSLDDA 113

RESULT 8
US-09-939-853A-80
; Sequence 80, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 80
; LENGTH: 281
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-939-853A-80

Query Match      36.3%; Score 491.5; DB 12; Length 281;
Best Local Similarity 43.6%; Pred. No. 7.8e-40;
Matches 115; Conservative 38; Mismatches 82; Indels 29; Gaps 7;

QY      9  KSLPSPS---LSSSVQGGPVTMEASRSKATAVALGSPAGGPAELSLRLGEPITIVSED 65
Db      6  KSTSPSPRPLSSS-----EGLESDFLAV-LTDYPSDIPSPFRGKELRVISDE 55
QY      66 GDMWTVLSEVSGREYNIPSVHGVKSHGWLYEGLSRKAEELLPLPGNPGGAFILRESQTRG 125
Db      56 GGMWKAISLTGRESYIPGICVARVYHGLFEGGLGRDKAEELLQLPDTKIGSFMIRESK 115
QY      126 RRGVSLSVLSRSPASWDRIHRYIHCLDNGWLYISPRLTFFPSLQALVDHYSELADDDIC 185
Db      116 KKGYSLSVR-----HRQVKHYRIFRLPNWYIISPRLTFFQCLDLVTHYSEVADGLCC 169
QY      186 LLKEPCVLQR-----AGPLPGKDIPLPVTQRTPLNWKELSSLLFSEAAATG-----EESL 236
Db      170 VLTTPCLAQNIAPATSHSPCTSPGSPVTLRQKTFDKWKRYSRLQBGSGEAGNPLRVDES 229
QY      237 LSEGLRESLSFYISL-NDEAVSLD 259
Db      230 FSYGLRESIASYLSLTGDDSSFD 253

RESULT 9
US-09-870-759-64
; Sequence 64, Application US/09870759
; Patent No. US20020177551A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 870759
; CURRENT APPLICATION NUMBER: US/09/870,759
; CURRENT FILING DATE: 2002-01-14
; PRIOR APPLICATION NUMBER: US 60/208,128
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 166
; SOFTWARE: PatentIn version 3.1

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; SEQ ID NO 64
; LENGTH: 276
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-870-759-64

Query Match      35.6%; Score 481.5; DB 9; Length 276;
Best Local Similarity 40.3%; Pred. No. 7.3e-39;
Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;

QY      9  KSLPSPSLSSSVQGGPVTMEASRSKATAVALGSPAGGPAELSLRLGEPITIVSEDDGW 68
Db      6  KSTPAPA-----ERLPNPEGLSDFLAVLSDYPSDIPSPFRGKELRVISDEGGW 58
QY      69 WTVLSEVSGREYNIPSVHGVKSHGWLYEGLSRKAEELLPLPGNPGGAFILRESQTRG 128
Db      59 WKALSISTGRESYIPGICVARVYHGLFEGGLGRDKAEELLQLPDTKIGSFMIRESK 118
QY      129 SYSLSVLSRSPASWDRIHRYIHCLDNGWLYISPRLTFFPSLQALVDHYSELADDDICLLK 188
Db      119 FYSLSVR-----HRQVKHYRIFRLPNWYIISPRLTFFQCLDLVNHYSEVADGLCCVLT 172
QY      189 EPCVLQAGPLPGKDIPLPVTQRTPLNWKELSSLLFSEAAATG-----EESLSSEGL 241
Db      173 TPCLTQSTAAPAVRASSPVTLRQKTVDRVRSR---LQEDPEGTENPLGVDESLSFSYGL 229
QY      242 RESLSFYISLNDE 254
Db      230 RESIASYLSLTSE 242

RESULT 10
US-09-751-708A-64
; Sequence 64, Application US/09751708A
; Publication No. US20030157113A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 751708
; CURRENT APPLICATION NUMBER: US/09/751,708A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/173,371
; PRIOR FILING DATE: 1999-12-28
; NUMBER OF SEQ ID NOS: 166
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 276
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-751-708A-64

Query Match      35.6%; Score 481.5; DB 10; Length 276;
Best Local Similarity 40.3%; Pred. No. 7.3e-39;
Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;

QY      9  KSLPSPSLSSSVQGGPVTMEASRSKATAVALGSPAGGPAELSLRLGEPITIVSEDDGW 68
Db      6  KSTPAPA-----ERLPNPEGLSDFLAVLSDYPSDIPSPFRGKELRVISDEGGW 58
QY      69 WTVLSEVSGREYNIPSVHGVKSHGWLYEGLSRKAEELLPLPGNPGGAFILRESQTRG 128
Db      59 WKALSISTGRESYIPGICVARVYHGLFEGGLGRDKAEELLQLPDTKIGSFMIRESK 118
QY      129 SYSLSVLSRSPASWDRIHRYIHCLDNGWLYISPRLTFFPSLQALVDHYSELADDDICLLK 188
Db      119 FYSLSVR-----HRQVKHYRIFRLPNWYIISPRLTFFQCLDLVNHYSEVADGLCCVLT 172
QY      189 EPCVLQAGPLPGKDIPLPVTQRTPLNWKELSSLLFSEAAATG-----EESLSSEGL 241
Db      173 TPCLTQSTAAPAVRASSPVTLRQKTVDRVRSR---LQEDPEGTENPLGVDESLSFSYGL 229
QY      242 RESLSFYISLNDE 254

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Db 230 RESIASYLSLTSE 242

RESULT 11

US-09-939-853A-81

; Sequence 81, Application US/09939853A

; Publication No. US20040039163A1

; GENERAL INFORMATION:

; APPLICANT: Burgess et al.

; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same

; FILE REFERENCE: 21402-099

; CURRENT APPLICATION NUMBER: US/09/939,853A

; CURRENT FILING DATE: 2001-08-27

; PRIOR APPLICATION NUMBER: 60/228,191

; PRIOR FILING DATE: 2000-08-25

; PRIOR APPLICATION NUMBER: 60/267,300

; PRIOR FILING DATE: 2001-02-08

; PRIOR APPLICATION NUMBER: 60/269,961

; PRIOR FILING DATE: 2001-02-20

; PRIOR APPLICATION NUMBER: 60/277,337

; PRIOR FILING DATE: 2001-03-20

; NUMBER OF SEQ ID NOS: 159

; SOFTWARE: PatentIn ver. 2.1

; SEQ ID NO 81

; LENGTH: 276

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-939-853A-81

Query Match 35.6%; Score 481.5; DB 12; Length 276;

Best Local Similarity 40.3%; Pred. No. 7.3e-39;

Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;

QY 9 KSLPSPSLSSSSVQSGPVTWEAERSKATAVAAGSPAGGPAELSLRLGCEPLTIVSDDGW 68

DB 6 KSTPAPA-----ERLDPNPEGLDSDFLAVLSYPSDPDISPPIFRGEKLRVISDEGGW 58

QY 69 WTVLSEVSGREYNIPSVHVGKSVHGWLVEGLSRKAELELLLPNGPGAFIRESQTRRG 128

DB 59 WKATSLSTGRESYIPGICVARVYHGWLFEGLGRDKABELQLPDTKVGSMFIRESETKG 118

QY 129 SYSLSVRLSPASNDRIEYRIHCLDNGWLVISRLTFPSLQALVDHYSELADDCCLLK 188

DB 119 FYSLSVLR-----HRQVKHYRIFRLPNWYVISRLTFQCLDLVNHYSEVADGCCVLT 172

QY 189 EPCVLQAGPLPGHKDILPVTVTQRTPLNWKELDSLLFSEAAATG-----EESLLSEGL 241

DB 173 TPCLTQSTAAAPVRASSSPVTLRQKTVDRVRVSR---LQEDPEGTENPLGVDESLSFVGL 229

QY 242 RESLSFYFISLNDE 254

DB 230 RESIASYLSLTSE 242

RESULT 12

US-10-649-649-3

; Sequence 3, Application US/10043649

; Publication No. US20030059924A1

; GENERAL INFORMATION:

; APPLICANT: Holland, Sacha J.

; APPLICANT: Mendenhall, Marcy K.

; APPLICANT: Pardo, Jorge

; APPLICANT: Spencer, Collin

; APPLICANT: Fu, C. Alan

; APPLICANT: Luo, Ying

; APPLICANT: Pavan, Donald G.

; APPLICANT: Mancebo, Helena S.Y.

; APPLICANT: Wu, Jun

; APPLICANT: Zhou, Xiulan

; APPLICANT: Shen, Mary

; APPLICANT: Liao, X. Charlene

; APPLICANT: Sheng, Ning

; TITLE OF INVENTION: Cloning of a No. US20030059924A1el Inhibitor of Antigen-receptor

Db 61 IVSE-----WLYEGLSREKAELELLLPNGPGAFLLI 91
QY 121 RESQT 125
Db 92 RESQT 96
RESULT 14
US-10-394-322A-42
; Sequence 42, Application US/10394322A
; Publication No. US2003023291A1
; GENERAL INFORMATION:
; APPLICANT: SUNESIS PHARMACEUTICALS, INC.
; APPLICANT: Prescott, John C
; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS
; FILE REFERENCE: 39750-0006 US
; CURRENT APPLICATION NUMBER: US/10/394,322A
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 60/366,892
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 511
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-394-322A-42

Query Match 27.4%; Score 370.5; DB 15; Length 511;
Best Local Similarity 39.8%; Pred. No. 1.6e-27;
Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;
QY 6 SRKSLPSPSLSSVQGGPVTMEARSKATAVALGSPAGGPAELSLRLGEPITIVSED 65
Db 37 SNKQRPVPE-SQLLPGRFQTKDPEEQDIVVALYPYDGIHPDDLSPFKKGEKMKVLEEH 95
QY 66 GDWTVLSEVSGREYNIPSVHVGVK-----SHGWLVEGLSREKAELELLLPNGPGAFLLR 121
Db 96 GEWWKAKSLTKKEGFIPSNYVAKLNTLETEWFFKDIITRKDAERQLLAPGNSAGAFLLR 155
QY 122 ESQTRRGYSLSVRLSRPASWDRIHRHVRHCLDNGWLVIYSPRLTFPSLQALVDHYSELAD 181
Db 156 ESETLKGSFSLVRDFFVHGVDVHKYKIRSLDNGGYIISPRITPCISDMIKHYKQAD 215
QY 182 DICLLKEPCVLQAGPLPGK 202
Db 216 GLCRRLEKACI-----SPKPK 232

RESULT 15
US-09-977-269-16
; Sequence 16, Application US/09977269
; Patent No. US20020082037A1
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, AXEL
; APPLICANT: GISHIZKY, MIKHAIL
; APPLICANT: SURES, IRMINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1260
; CURRENT APPLICATION NUMBER: US/09/977,269
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 16
; LENGTH: 512
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-977-269-16

Query Match 27.4%; Score 370.5; DB 9; Length 512;

Best Local Similarity 39.8%; Pred. No. 1.6e-27;
Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;
QY 6 SRKSLPSPSLSSVQGGPVTMEARSKATAVALGSPAGGPAELSLRLGEPITIVSED 65
Db 38 SNKQRPVPE-SQLLPGRFQTKDPEEQDIVVALYPYDGIHPDDLSPFKKGEKMKVLEEH 96
QY 66 GDWTVLSEVSGREYNIPSVHVGVK-----SHGWLVEGLSREKAELELLLPNGPGAFLLR 121
Db 97 GEWWKAKSLTKKEGFIPSNYVAKLNTLETEWFFKDIITRKDAERQLLAPGNSAGAFLLR 156
QY 122 ESQTRRGYSLSVRLSRPASWDRIHRHVRHCLDNGWLVIYSPRLTFPSLQALVDHYSELAD 181
Db 157 ESETLKGSFSLVRDFFVHGVDVHKYKIRSLDNGGYIISPRITPCISDMIKHYKQAD 216
QY 182 DICLLKEPCVLQAGPLPGK 202
Db 217 GLCRRLEKACI-----SPKPK 233

Search completed: July 19, 2004, 20:12:09
Job time : 47 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: July 25, 2004, 02:23:22 ; Search time 83 Seconds
(without alignments)
1745.087 Million cell updates/sec

Title: US-09-939-853A-75
Perfect score: 1353
Sequence: 1 MGSPLSRKSLPSPSLSSSV.....RESLSFYISLNDVAVSLDDA 261

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 682709 seqs, 277475446 residues
Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:
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4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:
5: /cgn2_6/ptodata/2/ina/PTUS_COMB.seq:
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	370.5	27.4	2298	4	US-09-023-655-1158 Sequence 1158, Ap
2	360.5	26.6	2015	4	US-09-023-655-1105 Sequence 1105, Ap
3	340	25.1	2129	4	US-09-016-434-1452 Sequence 1452, Ap
4	323	23.9	2435	4	US-09-023-655-1313 Sequence 1313, Ap
5	320	23.7	2647	4	US-09-220-132-77 Sequence 77, Appl
6	320	23.7	2647	5	PCT-US93-08251-77 Sequence 77, Appl
7	315.5	23.3	4517	4	US-09-470-881-7 Sequence 7, Appl
8	315.5	23.3	4517	5	PCT-US93-06251-83 Sequence 83, Appl
9	313.5	23.2	1491	2	US-09-006-675-1 Sequence 1, Appl
10	313.5	23.2	1491	3	US-09-228-603A-1 Sequence 1, Appl
11	312.5	23.1	2354	4	US-09-023-655-1080 Sequence 1080, Ap
12	289	21.4	1759	4	US-09-470-881-2 Sequence 2, Appl

13	287	21.2	1602	1	US-07-820-011A-1 Sequence 1, Appl
14	287	21.2	1602	5	PCT-US93-00445-1 Sequence 1, Appl
15	276.5	20.4	1611	1	US-07-820-011A-3 Sequence 3, Appl
16	276.5	20.4	1611	4	US-09-860-473-3 Sequence 3, Appl
17	276.5	20.4	1611	5	PCT-US93-00445-3 Sequence 3, Appl
18	273	20.2	1626	4	US-09-860-473-10 Sequence 10, Appl
19	262	19.4	675	1	US-08-707-793A-3 Sequence 3, Appl
20	262	19.4	675	1	US-08-707-792A-3 Sequence 3, Appl
21	243.5	18.0	2827	4	US-08-452-723-1 Sequence 5, Appl
22	240.5	17.8	2770	4	US-08-426-509A-5 Sequence 5, Appl
23	240.5	17.8	2770	4	US-08-232-545-5 Sequence 5, Appl
24	240.5	17.8	2770	5	PCT-US95-05008-5 Sequence 5, Appl
25	240.5	17.8	2863	4	US-09-023-655-1389 Sequence 1389, Ap
26	240.5	17.8	7607	1	US-08-222-616-19 Sequence 19, Appl
27	240.5	17.8	7607	4	US-08-446-648-19 Sequence 19, Appl
28	240.5	17.8	7607	4	US-09-982-610-19 Sequence 19, Appl
29	240.5	17.8	7607	5	PCT-US95-04228-19 Sequence 5, Appl
30	238	17.6	282	2	US-09-006-675-5 Sequence 5, Appl
31	238	17.6	282	3	US-09-228-603A-5 Sequence 5, Appl
32	230	17.0	1467	4	US-09-579-182-2 Sequence 2, Appl
33	230	17.0	1548	4	US-09-099-053-1 Sequence 1, Appl
34	202	14.9	1661	2	US-08-815-176-2 Sequence 2, Appl
35	202	14.9	1661	4	US-09-197-344-2 Sequence 2, Appl
36	193.5	14.3	2187	4	US-09-023-655-1267 Sequence 1267, Ap
37	193.5	14.3	2187	4	US-09-470-881-4 Sequence 4, Appl
38	190.5	14.1	3623	1	US-08-306-691B-35 Sequence 35, Appl
39	182	13.5	1804	1	US-08-306-691B-40 Sequence 40, Appl
40	182	13.5	1804	4	US-09-167-322-14 Sequence 14, Appl
41	182	13.5	1804	5	PCT-US93-08251-82 Sequence 82, Appl
42	172	12.7	874	4	US-09-023-655-931 Sequence 931, App
43	172	12.7	1072	1	US-07-906-349A-2 Sequence 2, Appl
44	172	12.7	1072	1	US-08-167-035-5 Sequence 5, Appl
45	172	12.7	1072	1	US-08-167-035-49 Sequence 49, Appl

ALIGNMENTS

RESULT 1
US-09-023-655-1158
; Sequence 1158, Application US/09023655
; Patent No. 680979
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESS: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:

```

;
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1158:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2298 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g187268
;
US-09-023-655-1158

Alignment Scores:
Pred. No.: 9,15e-30 Length: 2298
Score: 370.50 Matches: 80
Percent Similarity: 57.71% Conservative: 36
Best Local Similarity: 39.80% Mismatches: 76
Query Match: 27.38% Indels: 9
DB: 4 Gaps: 3

US-09-939-853A-75 (1-261) x US-09-023-655-1158 (1-2298)

Qy 6 SerArgArgLysSerLeuProSerProSerLeuSerSerValGlnGlnGlyPro 25
Db 409 TCCATATAACAGCAAGGCCAGTTCAGAA---TCTCAGCTTTTACTGGACAGAGTTT 465
Qy 26 ValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAla 45
Db 466 CAAACTAAAGATCCAGAGCAAGGAGACATTTGTGTAGCTTTTACCCCTATGATGCG 525
Qy 46 GlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGluAsp 65
Db 526 ATCCACCCGAGCACTTGCTTTTCAGAAAGGAGAGAGATGAAAGTCTGTGAGGAGCAT 585
Qy 66 GlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSerVal 85
Db 586 GGAGATGGTGGAAAGCAAAAGTCCCTTTTAAACAAAAAAGAGGCTTCATCCCGAGCAAC 645
Qy 86 HisValGlyLysVal-----SerHisGlyTrpLeuTyrGluGlyLeuSerArg 101
Db 646 TAGTGGCCCAACTACACCTTAGAAACAGAGAGTGTGTTTTCAGGATATAACGAG 705
Qy 102 GluLysAlaGluGluLeuLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArg 121
Db 706 AAGAGCGCAGAAAGCGAGCTTTTGGCACCGAGAAATAGCGCTGGAGCTTTCCTTATTAGA 765
Qy 122 GluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSer 141
Db 766 GAAAGTGAAACATTAAAGAGAACTTCTCTCTGTCTGTCAGAGACTTTGACCTGTGCAT 825
Qy 142 TrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSer 161
Db 826 GGTGATCTTATTAGCACTACAAATAGAGTCTGTAATCGGGGCTATTACATCTCT 885
Qy 162 ProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaSer 181
Db 886 CCACGAATCACTTTCCCTGTATCAGCGACATGATTAAACATTTACCAAGAGCGGAGAT 945
Qy 182 AspIleCysCysLeuLeuLysGluProCysValLeuGlnAlaGlyProLeuProGly 201
Db 946 GGTGTGGCAGAGATTGGAGAGGCTTGTATT-----AGTCCCAAGCCACAG 993
Qy 202 Lys 202
Db 994 AAG 996

RESULT 2
US-09-023-655-1105
; Sequence 1105, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.

```

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;
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1105:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2015 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g183911
;
US-09-023-655-1105

Alignment Scores:
Pred. No.: 8,84e-29 Length: 2015
Score: 360.50 Matches: 77
Percent Similarity: 58.38% Conservative: 31
Best Local Similarity: 41.62% Mismatches: 70
Query Match: 26.64% Indels: 7
DB: 4 Gaps: 2

US-09-939-853A-75 (1-261) x US-09-023-655-1105 (1-2015)

Qy 12 ProSerProSerLeuSerSerSerValGlnGlnGlyProValThrMetGluAlaGlu 31
Db 286 CCGGGGCTTAATACCCACACAGC-----AACACACAGCAATCAGGAGGAGCGC 336
Qy 32 ArgSerLysAlaThrAlaValAlaLeuGlySerPheProAlaGlyGlyProAlaGluLeu 51
Db 337 TCTCAGGACATCATCGTGTGCTTGCCTGTATGATACGAGGCCATTACACACGAGACCTC 396
Qy 52 SerLeuArgLeuGlyGluProLeuThrIleValSerGluAspGlyAspTTPTrpThrVal 71
Db 397 AGCTTCCAGAGGGGGGACCCAGAGTGTGCTTACAGGAATCCGGGAGTGTGTAAGGCT 456
Qy 72 LeuSerGluValSerGlyArgGluTyrAsnIleProSerValHisValGlyLysVal--- 90
Db 457 CGATCCCTCGGCCACCCGGAAGAGGGGCTACATCCCAAGCAACTATGTCGCCCGCGTTGAC 516
Qy 91 -----SerHisGlyTrpLeuTyrGluGlyLeuSerArgGluLysAlaGluLeu 107
Db 517 TCTCTGAGACAGAGGAGTGTGTTTTCAGGGGATCAGCCGGAAGGACGCGAGAGCGCCAA 576

```


NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1313:
SEQUENCE CHARACTERISTICS:
LENGTH: 2435 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: G338227
US-09-023-655-1313

Alignment Scores:
Pred. No.: 1,24e-24 Length: 2435
Score: 323.00 Matches: 81
Percent Similarity: 51.74% Conservative: 23
Best Local Similarity: 40.30% Mismatches: 76
Query Match: 23.87% Indels: 22
DB: 4 Gaps: 3

US-09-939-853A-75 (1-261) x US-09-023-655-1313 (1-2435)
QY 12 ProSerProSerLeuSerSerValGlnGly----- 22
DB 507 CCATCCCACTCAACAACCTCCACGACCGGGGCCAAGGACTCACCGCTTTGGAG 566
QY 23 -----GlnGlyProValThrMetGluAlaGluArgSerLysAla 35
DB 567 GTGTGAACCTCTCGTCTCATACGGGACCTTGGGTACGAGAGAGGAAACAGAGTG-ACA 625
QY 36 ThrAlaValAlaLeuGlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeu 55
DB 626 CTCCTTTGGCCCTTTATGACTACTGAAGCAGCGACAGAGATGACCTGAGTTTTCACAAA 685
QY 56 GlyGluProLeuThrIleVal---SerGluAspGlyAspTrpTrpThrValLeuSerGlu 74
DB 686 GGAGAAAAATTTCAAATATTGAACAGCTCGGAAGGAGATTGGTGGGAAGCCCGCTCTTG 745
QY 75 ValSerGlyArgGluTrpAsnIleProSerValHisValGlyLysVal----- 90
DB 746 ACAACTGGAGAGACAGGTTACATTCCAGCAATTATGTGGCTCCAGTTGACTCTATCCAG 805
QY 91 SerHisGlyTrpLeuTyrgluGlyLeuSerArgGluLysAlaGluLeuLeuLeuLeu 110
DB 806 GCAGAGAGTGGTACTTTGGAAACCTTGGCCGAAAGATGCTGAGCGACAGCTATTGTCC 865
QY 111 ProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGlnThrArgArgGlySerTy 130
DB 866 TTGTGGAACCCAGAGAGTACCTTTCTTATCCGCGAGAGTGAACCAACCAAGGGTCCAT 925
QY 131 SerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArgHisTyrgile 150
DB 926 TCACCTTTCTATCGGTGATTGGGATGATATCAAGGAGAGACCATGTCAACATTTATAAAT 985
QY 151 HisCysLeuAspAsnGlyTrpLeuTyrgileSerProArgLeuThrPheProSerLeuGln 170
DB 986 CGCAAACTTGACATGGTGATACACTATACCCCGGGCCCGGCTTTGAACACTTCAG 1045
QY 171 AlaLeuValAspHisTyrgluLeuAlaAspAspIleCysCysLeuLeuLysGluPro 190
DB 1046 CAGCTTTGTACACATTACTCAGAGAGCTGCAGGTCTCTGTGCGCCCTAGTAGTTCCC 1105
QY 191 Cys 191
DB 1106 TGT 1108

RESULT 5

US-09-220-132-77

Sequence 77, Application US/09220132
Patent No. 6506607
GENERAL INFORMATION:
APPLICANT: Shvjan, Andrew W.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
TITLE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 07334-074001
CURRENT APPLICATION NUMBER: US/09/220,132
CURRENT FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: US 60/079,303
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: US 60/068,821
PRIOR FILING DATE: 1997-12-24
NUMBER OF SEQ ID NOS: 191
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 77
LENGTH: 2647
TYPE: DNA
ORGANISM: Homo sapiens
US-09-220-132-77

Alignment Scores:
Pred. No.: 2,97e-24 Length: 2647
Score: 320.00 Matches: 80
Percent Similarity: 51.74% Conservative: 24
Best Local Similarity: 39.80% Mismatches: 76
Query Match: 23.65% Indels: 22
DB: 4 Gaps: 3

US-09-939-853A-75 (1-261) x US-09-220-132-77 (1-2647)
QY 12 ProSerProSerLeuSerSerValGlnGly----- 22
DB 716 CCATCCCACTCAACAACCTCCACGACCGGGGCCAAGGACTCACCGCTTTGGAG 775
QY 23 -----GlnGlyProValThrMetGluAlaGluArgSerLysAla 35
DB 776 GTGTGAACCTCTCGTCTCATACGGGACCTTGGGTACGAGAGAGGAAACAGAGTG-ACA 834
QY 36 ThrAlaValAlaLeuGlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeu 55
DB 835 CTCCTTTGGCCCTTTATGACTACTGAAGCAGCGACAGAGATGACCTGAGTTTTCACAAA 894
QY 56 GlyGluProLeuThrIleVal---SerGluAspGlyAspTrpTrpThrValLeuSerGlu 74
DB 895 GGAGAAAAATTTCAAATATTGAACAGCTCGGAAGGAGATTGGTGGGAAGCCCGCTCTTG 954
QY 75 ValSerGlyArgGluTrpAsnIleProSerValHisValGlyLysVal----- 90
DB 955 ACAACTGGAGAGACAGGTTACATTCCAGCAATTATGTGGCTCCAGTTGACTCTATCCAG 1014
QY 91 SerHisGlyTrpLeuTyrgluGlyLeuSerArgGluLysAlaGluLeuLeuLeuLeu 110
DB 1015 GCAGAGAGTGGTACTTTGGAAACCTTGGCCGAAAGATGCTGAGCGACAGCTATTGTCC 1074
QY 111 ProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGlnThrArgArgGlySerTy 130
DB 1075 TTGTGGAACCCAGAGAGTACCTTTCTTATCCGCGAGAGTGAACCAACCAAGGGTCCAT 1134
QY 131 SerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArgHisTyrgile 150
DB 1135 TCACCTTTCTATCGGTGATTGGGATGATATGAAGGAGAGACCATGTCAACATTTATAAAT 1194
QY 151 HisCysLeuAspAsnGlyTrpLeuTyrgileSerProArgLeuThrPheProSerLeuGln 170
DB 1195 CGCAAACTTGACATGGTGATACACTATACCCCGGGCCCGGCTTTGAACACTTCAG 1254
QY 171 AlaLeuValAspHisTyrgluLeuAlaAspAspIleCysCysLeuLeuLysGluPro 190
DB 1255 CAGCTTTGTACACATTACTCAGAGAGCTGCAGGTCTCTGTGCGCCCTAGTAGTTCCC 1314
QY 191 Cys 191
DB 1106 TGT 1108

Db 1315 TGT 1317

RESULT 6

PCT-US93-06251-77

Sequence 77, Application PC/TUS9306251

GENERAL INFORMATION:

APPLICANT: Wickstrom, Eric and Rife, Jason P.

TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing

TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates

NUMBER OF SEQUENCES: 93

CORRESPONDENCE ADDRESS:

ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER

STREET: 400 Garden City Plaza

CITY: Garden City

STATE: NY

COUNTRY: USA

ZIP: 11530

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/06251

FILING DATE: 19930630

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: DiGiglio, Frank S.

REGISTRATION NUMBER: 31,346

REFERENCE/DOCKET NUMBER: 8586

TELECOMMUNICATION INFORMATION:

TELEPHONE: 516-742-4343

TELEFAX: 516-742-4366

TELEX: 230 901 SANS UR

INFORMATION FOR SEQ ID NO: 77:

SEQUENCE CHARACTERISTICS:

LENGTH: 2647 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

PCT-US93-06251-77

Alignment Scores:

Pred. No.: 2,978-24 Length: 2647

Score: 320.00 Matches: 80

Percent Similarity: 51.74% Conservative: 24

Best Local Similarity: 39.80% Mismatches: 76

Query Match: 23.65% Indels: 22

DB: 5 Gaps: 3

US-09-939-853A-75 (1-261) x PCT-US93-06251-77 (1-2647)

QY 12 ProSerProSerLeuSerSerValGlnGly----- 22

Db 716 CCATCCCACTACACACTCCAGCGAGCGGGGCCAAGAGCTCACCCTTTGGAG 775

QY 23 -----GlnGlyProValThrMetGluAlaGluArgSerLysAla 35

Db 776 GTGTGAACCTTCGTCTCATACCGGACCTTCGTACGAGAGGAGGAGACAGGAGTGC-ACA 834

QY 36 ThrAlaValAlaLeuGlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeu 55

Db 835 CTCCTTTGTGGCCCTTTATGACTATGAGCAGCAGCAGAGATGACTGTGTTTCCAAA 894

QY 56 GlyGluProLeuThrIleVal---SerGluAspGlyAspTrpThrValLeuSerGlu 74

Db 895 GGAGAAAAATTTCAAAATATTGAACAGCTCGGAAGGAGATTGGTGGAGCCCGCTCCTTG 954

QY 75 ValSerGlyArgGluThrAsnIleProSerValHisValGlyVal----- 90

Db 955 ACAACTGGAGAGACAGGTTACATTCCTCCAGCAATTATGTGGCTCCAGTTGACTTATCCAG 1014

QY 91 SerHisGlyTrpLeuTyrGluGlyLeuSerArgGluLysAlaGluLeuLeuLeuLeu 110

Db 1015 GCAGAGAGTGTGTACTTTTGGAAAACTTGGCCGAAAGATGCTGAGCGACAGCTATTGTCC 1074

QY 111 ProGlyAsnProGlyGlyValapheLeuLeuArgGluSerGlnThrArgArgGlySerTyr 130

Db 1075 TTTGAAACCCCAAGAGGTACCTTTCTTATCCGCGAGGTGAACACCAAGAGTGCCTAT 1134

QY 131 SerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArgHisTyrArgIle 150

Db 1135 TCACCTTTCTATCCGTGATGGGATGATGAAGAGAGACCATGTCAACATTAATAAATT 1194

QY 151 HisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeuThrPheProSerLeuGln 170

Db 1195 CGCAAACTTGCAATGTGGTACTACTACCATCCCGGCGCCAGTTTGAACACTTTCAG 1254

QY 171 AlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCysCysLeuLeuLysGluPro 190

Db 1255 CAGCTTGTACAACTTACTCAGAGAGAGCTGCAGGTCTCTGCTCCGCTAGTAGTTCCC 1314

QY 191 Cys 191

Db 1315 TGT 1317

RESULT 7

US-09-470-881-7

Sequence 7, Application US/09470881

Patent No. 6685938

GENERAL INFORMATION:

APPLICANT: CHERESH, David A.

APPLICANT: ELICEIRI, Brian

TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL FOR MODULATION OF

TITLE OF INVENTION: ANGIOGENESIS AND VASCULAR PERMEABILITY USING SRC OR

TITLE OF INVENTION: YES TYROSINE KINASES

FILE REFERENCE: TSRI 651.2

CURRENT APPLICATION NUMBER: US/09/470,881

CURRENT FILING DATE: 1999-12-22

PRIOR APPLICATION NUMBER: PCT/US99/11780

PRIOR FILING DATE: 1999-05-28

PRIOR APPLICATION NUMBER: 60/087,220

PRIOR FILING DATE: 1998-05-29

NUMBER OF SEQ ID NOS: 8

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 7

LENGTH: 4517

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (208)..(1836)

OTHER INFORMATION: human Yes-1 cDNA translated protein

US-09-470-881-7

Alignment Scores:

Pred. No.: 2,05e-23 Length: 4517

Score: 315.50 Matches: 92

Percent Similarity: 43.22% Conservative: 45

Best Local Similarity: 29.02% Mismatches: 113

Query Match: 23.32% Indels: 67

DB: 4 Gaps: 9

US-09-939-853A-75 (1-261) x US-09-470-881-7 (1-4517)

QY 2 GlySerLeuProSerArgArgLysSerLeuProSerProSerLeuSerSerVal--- 20

Db 304 GGAGCAGAACCCCACTACAGTGTCCCATGTCCGTCTCTTCAGCAAGGAGGAGCAGCAGTT 363

QY 21 -----GlnGlyGlnGlyProValThrMetGluAla 30

Db 364 AATTTCAGAGCTTTTCCATGACACCATTTGGAGATCCTCAGGGGTACGCCCTTTTGA 423

QY 31 GluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAlaGly----- 46

Db 424 GGTGCATCTTCCTCATTTTCAGTGGTCCCAAGTTTCATATCTCTGCTGGTTTAAACAGGTGCT 483
Qy 47 -----GlyProAlaGluLeuSerLeu 53
Db 484 GTTACTATATTGCTGGCTTTATATGATATGAAGCTAGAACTACAGAAGACCTTTTCATT 543
Qy 54 ArgLeuGlyGluProLeuThrIleValSerGlu---AspGlyAspTrpTrpThrValLeu 72
Db 544 AAGAGGCTGAAGATTCAATTAATTAACAATACGGAAGGAGATTGGTGGGAGCAAGA 603
Qy 73 SerGluValSerGlyArgGluTyAsnIleProSerValHisValGlyLysVal----- 90
Db 604 TCAATCGCTACAGAAAGATGTTATATCCGAGCAATATGTCAGCGCTGCAGATTC 663
Qy 91 -----SerHisGlyTrpLeuTyGlyLeuSerArgGluLysAlaGluLeuLeu 108
Db 664 ATTCAGGCGAGAAGATGTTATTTGGCAAAATGGGAGAAAGATGCTGAAGATTACTT 723
Qy 109 LeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGlnThrArgArgGly 128
Db 724 TTGAATCCTGGAATCAACAGAGTATTTCTTAGTAAGAGAGAGTGAACAACTAAAGGT 783
Qy 129 SerTySerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArg----- 146
Db 784 GCTTATTCCTTTCTATTCGT-----GATTGGGATGAGATAAGGGGTGAC 828
Qy 147 -----HisTyArgIleHisCysLeuAspAsnGlyTrpLeuTyIleSerProArg 163
Db 829 AATGTGAACACACTACAAATTAGGAACTTGACAACTGATATATACCAACCA 888
Qy 164 LeuThrPheProSerLeuGlnAlaLeuValAspHisTySerGluLeuAlaAspIle 183
Db 889 GCACAATTGATATCTCGCAAAATTTGGTGAACACACTACACAGACATCTGATGTTA 948
Qy 184 CysCysLeuLeuLysGluProCys-----ValLeuGln 194
Db 949 TGCCACAAGTTGACAAGTGTGTCCAACTGTGAACCTCAGACTCAAGGTCTAGCAAA 1008
Qy 195 ArgAlaGlyProLeuProGlyLysAspIleProLeuProValThrValGlnArg----- 212
Db 1009 GATGCTTGGGAAATCCCTCGAAGATCTTTCGAGCTAGAGTTAAACTAGGCAAGGATGT 1068
Qy 213 -----ThrProLeuAsnTrpLysGluLeu 220
Db 1069 TTGCGGGAATGTGGATGGGAACATGGAATGGAAACCAAGTAGCATCAATCAAACTA 1128
Qy 221 AspSerSerLeuLeuPheSerGluAlaAlaThrGlyGluSerLeuLeuSerGlyGly 240
Db 1129 AAACCGAGTCAATGATGCGAGAGCTTTCTTCAAGAGCTCAGATAATGAAAAATTA 1188
Qy 241 LeuArgGluSerLeu---SerPheTyIleSerLeuAsnAspGluAlaVal 256
Db 1189 AGACATGATAAAGTGTTCACATATATGCTGTTGTTCTTGAAGAACCAATT 1239

RESULT 8

PCT-US93-06251-83

; Sequence 83, Application PC/TUS9306251

; GENERAL INFORMATION:

; APPLICANT: Wickstrom, Eric and Rife, Jason P.

; TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing

; TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates

; NUMBER OF SEQUENCES: 93

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER

; STREET: 400 Garden City Plaza

; CITY: Garden City

; STATE: NY

; COUNTRY: USA

; ZIP: 11530

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: PCT/US93/06251

; FILING DATE: 19930630

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Digilio, Frank S.

; REGISTRATION NUMBER: 31,346

; REFERENCE/DOCKET NUMBER: 8586

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 516-742-4343

; TELEFAX: 516-742-4366

; TELEX: 230 901 SANS UR

; INFORMATION FOR SEQ ID NO: 83:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 4517 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; PCT-US93-06251-83

Alignment Scores:

Pred. No.: 2,05e-23 Length: 4517

Score: 315.50 Matches: 92

Percent Similarity: 43.22% Conservative: 45

Best Local Similarity: 29.02% Mismatches: 113

Query Match: 23.32% Indels: 67

DB: 5 Gaps: 9

US-09-939-853A-75 (1-261) x PCT-US93-06251-83 (1-4517)

Qy 2 GlySerLeuProSerArgArgLysSerLeuProSerProSerLeuSerSerVal--- 20

Db 304 GGAGCAGAACCCACTACAGTGTCCACATGTCCTGCTCATCTTCAGCAAGGAAACAGAGTT 363

Qy 21 -----GlnGlyGlnGlyProValThrMetGluAla 30

Db 364 AATTTCAGCAGTCTTTCCATCAGCACCATTTGGAGGATCCTCAGGGTAAACGCTTTTGA 423

Qy 31 GluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAlaGly----- 46

Db 424 GGTGATCTTCCTCATTTTCAGTGTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 483

Qy 47 -----GlyProAlaGluLeuSerLeu 53

Db 484 GTTACTATATTGTCGGCTTATATGATNTGAAGCTAGAACTACAGAGACCTTTTCATT 543

Qy 54 ArgLeuGlyGluProLeuThrIleValSerGlu---AspGlyAspTrpTrpThrValLeu 72

Db 544 AAGAAGGCTGAAGATTTCAAATTAATTAACAATACGGAAGGAGATTGCTGGGAGCAAGA 603

Qy 73 SerGluValSerGlyArgGluTyAsnIleProSerValHisValGlyLysVal----- 90

Db 604 TCAATCGCTACAGAAAGATGTTATATCCGAGCAATATGTCAGCGCTGCAGATTC 663

Qy 91 -----SerHisGlyTrpLeuTyGlyLeuSerArgGluLysAlaGluLeuLeu 108

Db 664 ATTCAGGCGAGAAGATGTTATTTGGCAAAATGGGAGAAAGATGCTGAAGATTACTT 723

Qy 109 LeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGlnThrArgArgGly 128

Db 724 TTGAATCCTGGAATCAACAGAGTATTTCTTAGTAAGAGAGAGTGAACAACTAAAGGT 783

Qy 129 SerTySerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArg----- 146

Db 784 GCTTATTCCTTTCTATTCGT-----GATTGGGATGAGATAAGGGGTGAC 828

Qy 147 -----HisTyArgIleHisCysLeuAspAsnGlyTrpLeuTyIleSerProArg 163

Db 829 AATGTGAACACACTACAAATTAGGAACTTGACAACTGATATATACCAACCA 889

Qy 164 LeuThrPheProSerLeuGlnAlaLeuValAspHisTySerGluLeuAlaAspIle 183

QY 38 -----ValAlaLeuGlySerPheProAlaGlyGlyProAlaGlu 50
Db 373 GGGATTGGGGTACCCTGTTCATTCCTCCCTATGATGAGGCTCGAAGTACGATGAC 432
QY 51 LeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu---AspGlyAspTrpTrp 69
Db 433 CTCACCTTCCACCAAGGGCAGAGTTCACATCTCTGACCAATACTGAAGGTGACTGGTGG 492
QY 70 ThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSerValHisValGlyLys 89
Db 493 GAGGCTCGGTCTCTCAGCTCCGGAATACTGGCTGCTATCCAGCAACTACGTGGCCCT 552
QY 90 Val-----SerHisGlyTrpLeuTyrGluLeuSerArgGluLysAlaGlu 105
Db 553 GTTACTCATCAAGCTCAAGAGTGTACTTTGGAAAGATTGGAGAAAGATCGACAG 612
QY 106 GluLeuLeuLeuProGlyAsnProGlyAlaPheLeuIleArgGluSerGlnThr 125
Db 613 AGGCAGCTGTTTCACAGGCAACCCCGAGGGGGCTTTCTCATTCGGAAAGCGAGACC 672
QY 126 ArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIle 145
Db 673 ACCAAAGGTGCTTACTCCCTGCTCCATCCGGGACTGGATCGACAGAGCGCATCATGTG 732
QY 146 ArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeuThr 165
Db 733 AAGCATTACAGATCCGCAACTGGACATGGGGGCTACTACATCACACACGGGTTCAG 792
QY 166 PheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCysCys 185
Db 793 TTAACCTCGGTGCAGAGCTGGTGCAGCATACTACATGAGGTGAATGACGGGTGTGCAAC 852
QY 186 LeuLeuLysGluProCysValLeuGlnArg 195
Db 853 CTGCTCATCGCGCCCTGCACATCATGAAG 882

RESULT 12

US-09-470-881-2
; Sequence 2, Application US/09470881
; Patent No. 6685938
; GENERAL INFORMATION:
; APPLICANT: CHERESH, David A.
; APPLICANT: ELICBIRI, Brian
; TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL FOR MODULATION OF
; TITLE OF INVENTION: ANGIOGENESIS AND VASCULAR PERMEABILITY USING SRC OR
; TITLE OF INVENTION: YES TYROSINE KINASES
; FILE REFERENCE: TSRI 651.2
; CURRENT APPLICATION NUMBER: US/09/470,881
; PRIOR FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: PCT/US99/11780
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/087,220
; PRIOR FILING DATE: 1998-05-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1759
; TYPE: DNA
; ORGANISM: Chicken
; FEATURE:
; NAME/KEY: gene
; LOCATION: (1)..(1759)
; OTHER INFORMATION: chicken c-src cDNA
; NAME/KEY: CDS
; LOCATION: (112)..(1710)
US-09-470-881-2

Alignment Scores:

Pred. No.:	3,35e-21	Length:	1759
Score:	289.00	Matches:	86
Percent Similarity:	47.33%	Conservative:	47
Best Local Similarity:	30.60%	Mismatches:	104
Query Match:	21.36%	Indels:	45

Db: 4 Gaps: 6
US-09-939-853A-75 (1-261) x US-09-470-881-2 (1-1759)
QY 5 ProSerArgGlySerLeuProSerProSerLeuSerSerSerValGlnGlyGlnGly 24
Db 317 CCGTTACGTCCGCGCAGCGGTCCGCGGCACTGGCTGGCGGCGTCAACC----- 363
QY 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44
Db 364 -----ACTTTCGTGGCTCTCTACGACTACGAG 390
QY 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64
Db 391 TCCCGGACTGAACCGGACTGTCTCTCAAGAAAGAGAAAGCGCTGCAGATGTGCAACAAC 450
QY 65 ---AspGlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIlePro 83
Db 451 ACGGAAGGTGACTGCTGGCTGGCTCATTCCTCACTACAGAGCAGAGCGGCTACATCCCC 510
QY 84 SerValHisValGlyLys-----ValSerHisGlyTrpLeuTyrGluGlyLeu 99
Db 511 AGTAACATATGTGCGCGCCCTCAGACTCCATCCAGCTCAAGAGTGTACTTTGGGAAGATC 570
QY 100 SerArgGluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeu 119
Db 571 ACTGTCGGGAGTCCGAGCGCTGCTCTCAACCCGAAACCCCGCGGAAACCTTCTTG 630
QY 120 IleArgGluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgPro 139
Db 631 GTCCGGAGAGCGAGACGAAAGGTGCTATTCCTCTCCGTTTCTGACTTTTGCAAC 690
QY 140 AlaSerTrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyr 159
Db 691 GCCAAGGGGCTCAATGTGAAGCACTACAAGATCCGCAAGCTGGACACGGGGCTTCTAC 750
QY 160 IleSerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeu 179
Db 751 ATCACTCAGCACACACAGTTTCAGCAGCTGCAGCAGCTGGTGGCTACTACTCCAAACAT 810
QY 180 AlaAspAspIleCysCysLeuLeuLysGluProCys----- 191
Db 811 GCTGATGGTGTGTCACCGCTGACCAAGCTGTGCCCCAGTCCCAAGCCCCAGACCAG 870
QY 192 ---ValLeuGlnArgAlaGlyProLeuProGlyLysAspIleProLeuProValThrVal 210
Db 871 GGACTCGCAAGAGCGGTGGGAAATCCCGGAGTGCCTGCGGTGGAGTGAAGCTG 930
QY 211 GlnArg-----ThrProLeuAsn 216
Db 931 GGGCAGGGGCTGCTTTGGAGAGTCTGGATGGGACCTGGAAACCGCACCCAGAGTGGCC 990
QY 217 TrpLysGluLeuAspSerSerLeuLeuPheSerGluAlaAlaThrGlyGluGluSerLeu 236
Db 991 ATAAAGACTCTGAAGCCCGGACCATGTCCCGGAGGCTTCCTGCGAGGAAGCCCAAGTG 1050
QY 237 LeuSerGluGlyLeuArgGluSerLeu---SerPheTyrIleSerLeuAsnAspGluAla 255
Db 1051 ATGAAGAAGCTCCGCGCATGAGAAGCTGTTACGCTGACGAGTGGTGTCCGAAGAGCCC 1110
QY 256 Val 256
Db 1111 ATC 1113
RESULT 13
US-07-820-011A-1
; Sequence 1, Application US/07820011A
; Patent No. 5336615
; GENERAL INFORMATION:
; APPLICANT: Bell, Leonard
; APPLICANT: Madri, Joseph A.
; APPLICANT: Warren, Stephen L.
; APPLICANT: Luthringer, Daniel J.

;; TITLE OF INVENTION: Genetically Engineered
;; TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced
;; TITLE OF INVENTION: Migration
;; TITLE OF INVENTION: and Plasminogen Activator Activity
;;
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESS: Maurice M. Klee
;; STREET: 1951 Burr Street
;; CITY: Fairfield
;; STATE: Connecticut
;; COUNTRY: USA
;; ZIP: 06430

;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 5.25 inch, 360 Kb storage
;; COMPUTER: IBM PC XT
;; OPERATING SYSTEM: PC-DOS/MS-DOS 2.10
;; SOFTWARE: Displaywrite 3

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/07/820,011A
;; FILING DATE: 19920106

;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Klee, Maurice M.
;; REGISTRATION NUMBER: 30,399

;; REFERENCE/DOCKET NUMBER: LB-101
;; TELEPHONE: (203) 255 1400
;; TELEFAX: (203) 254 1101

;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1602 base pairs
;; TYPE: NUCLEIC ACID
;; STRANDEDNESS: Double
;; TOPOLOGY: Linear

;; MOLECULE TYPE: cDNA to mRNA
;; HYPOTHETICAL: No
;; ANTI-SENSE: No
;; ORIGINAL SOURCE:

;; ORGANISM: Gallus, gallus
;; PUBLICATION INFORMATION:
;; AUTHORS: Takeya, Tatsuo
;; TITLE: Structure and Sequence of the
;; TITLE: Cellular Gene Homologous to the RSV src
;; TITLE: Gene and the Mechanism for Generating the
;; TITLE: Transforming Virus

;; JOURNAL: Cell
;; VOLUME: 32
;; PAGES: 881-890
;; DATE: March, 1983

;; US-07-820-011A-1

Alignment Scores: Length: 1602

Pred. No.: 4,75e-21 Matches: 81

Score: 287.00

Percent Similarity: 51.28% Conservative: 39

Best Local Similarity: 34.62% Mismatches: 84

Query Match: 21.21% Indels: 32

DB: 1 Gaps: 5

US-09-939-853A-75 (1-261) x US-07-820-011A-1 (1-1602)

QY 5 ProSerArgLysSerLeuProSerProSerLeuSerSerSerValGlnGlnGly 24

DB 206 CGGTAGTCCGCGAGCGCGGGGCACTGGCTGGCGGCGTCAAC----- 252

QY 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44

DB 253 -----ACTTTCGTGGCTCTCTACGACTACGAG 279

QY 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64

DB 280 TCCCGGACTGAACGGACGTGCTCTCAAGAAAGGAGAGCGCTGCAGATTGTCAACAC 339

QY 65 ---AspGlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTrpAsnIlePro 83
DB 340 ACGGAAGTGACTGTGGTGGCTCATTCCTCCTACAGACAGACGGGCTACATCCCC 399
QY 84 SerValHisValGlyLys-----ValSerHisGlyTrpLeuTrpGluGlyLeu 99
DB 400 AGTAACATATGTCCGGCCCTCAGACTCCATCCAGAGTGGTACTTTGGGAAGATC 459
QY 100 SerArgGluLysAlaGluLeuLeuProGlyAsnProGlyAlaPheLeu 119
DB 460 ACTGTGGGAGTCCGAGCGGCTGCTCAACCCCGAAACCCCGGGGAACCTTCTTG 519
QY 120 IleArgLeuSerGlnThrArgArgGlySerTrpSerValArgLeuSerArgPro 139
DB 520 GTCCGGGAGAGACGACGACAAAGGTGCTATTCCTCTCCGTTTCTGACTTTGACAC 579
QY 140 AlaSerTrpAspArgIleArgHisTrpArgIleHisCysLeuAspAsnGlyTrpLeuTrp 159
DB 580 GCCAAGGGGCTCAATGTGAAGCACTACAGATCGCAGCTGGACAGCGCGGCTTCTAC 639
QY 160 IleSerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTrpSerGluLeu 179
DB 640 ATCACCCTCAGGCACACAGCTTCAGCAGCTGCAGCAGCTGGTGGCTACTACTCACAACAT 699
QY 180 AlaAspAspIleCysCysLeuLeuLysGluProCys----- 191
DB 700 GCTGATGGCTGTGCCACCGCTGACCAACGCTGTGCCCGGAGTGGCTGGAGTGAAGCTG 759
QY 192 ---ValLeuGlnArgAlaGlyProLeuProGlyLysAspIleProLeuProValThrVal 210
DB 760 GGACTCCCAAGGAGCGGTGGGAAATCCCGGGAGTGGCTGGCTGGAGTGAAGCTG 819
QY 211 GlnArgThrProLeuAsnTrpLysGluLeuAspSerSerLeu 224
DB 820 GGGCAGGGCTG-CCT---TGGAGAGGTCTGGATGGGAGACCTG 857

RESULT 14

PCT-US93-00445-1

;; Sequence 1, Application PC/TUS9300445

;; GENERAL INFORMATION:

;; APPLICANT: Bell, Leonard

;; APPLICANT: Madri, Joseph A.

;; APPLICANT: Warren, Stephen L.

;; APPLICANT: Lutheringer, Daniel J.

;; TITLE OF INVENTION: Genetically Engineered

;; TITLE OF INVENTION: Endothelial Cells

;; NUMBER OF SEQUENCES: 4

;; CORRESPONDENCE ADDRESS:

;; ADDRESSEE: Maurice M. Klee

;; STREET: 1951 Burr Street

;; CITY: Fairfield

;; STATE: Connecticut

;; COUNTRY: USA

;; ZIP: 06430

;; COMPUTER READABLE FORM:

;; MEDIUM TYPE: 3.5 inch, 760 Kb storage

;; COMPUTER: DELL 486/50

;; OPERATING SYSTEM: DOS 5.0

;; SOFTWARE: Displaywrite 3

;; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: PCT/US93/00445

;; FILING DATE: 19930105

;; CLASSIFICATION:

;; PRIOR APPLICATION DATA:

;; APPLICATION NUMBER: 07/820,011

;; FILING DATE: 06-JAN-1992

;; ATTORNEY/AGENT INFORMATION:

;; NAME: Klee, Maurice M.

;; REGISTRATION NUMBER: 30,399

;; REFERENCE/DOCKET NUMBER: ALX-101PCT

;; TELECOMMUNICATION INFORMATION:

;; TELEPHONE: (203) 255 1400

Db	754	AAGCCGCAACTCAGGGCTGCGCCAAAGGATCCCTGGAGGATCCCTCGGGAGTCGCTGCGG	813
Qy	206	LeuProValThrValGlnArg-----	212
Db	814	CTGAGGTCAGACTGGCGCAGGGTGCTTTGGCGAGGTGCGATGGGACCTGGAACGGT	873
Qy	213	---ThrProLeuAsnTriPylGluLeuAspSerSerLeuLeuPheSerGluAlaAlaThr	231
Db	874	ACCACGAGGTGGCCATCAAAACCTAGACCTGGCAGGATGTCACAGAGGCTTCCTG	933
Qy	232	GlyGluGluSerLeuLeuSerGluGlyLeuArgGluSerLeu---SerPheTyrIleSer	250
Db	934	CAGGAGGCCCGCCGTCATGAAGAAGCTGAGGCATGAGAAGCTGTGTCGATTGTATCTGTG	993
Qy	251	LeuAsnAspGluAlaVal	256
Db	994	GTTCAGAGGAGCCCAT	1011

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Job time : 89 secs

US-09-939-853A-75 (1-261) x US-07-820-011A-3 (1-1611)

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Qy		28	MetGluAlaGluArgSerLysAla-----ThrAlaValAla	39
Db		215	CGGTCACTCCCCCGAG-AGGCGCGGCGCGTGCGCGGTGAGTGACACCTTTGTGGCC	273
Qy		40	LeuGlySerPheProAlaGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeu	59
Db		274	CCTCATGACTATGACTTAGGACGGAGACACACCTGCTTCAAGAAAGCGAGCGGCTC	333
Qy		60	ThrIleValSerGlu---AspGlyAspTrpTrpThrValLeuSerGluValSerGlyArg	78
Db		334	CAGAATTGTCAACAACACAGAGGGAGACTGTGTGGTGGCCCACTCGCTCACACAGGACAG	393
Qy		79	GluTyrrAsnIleProSerValHisValGlyLys-----ValSerHisGlyTrp	94
Db		394	ACAGGCTATATCCCAGCAACTAGTGGCGCCTCCGCACTCCATCCAGGCTGAGGAGTGG	453
Qy		95	LeuTyrrGluGlyLeuSerArgGluLysAlaGluLeuLeuLeuLeuProGlyAsnPro	114
Db		454	TATTTTGGCAAGATCACCAGACGGGAGTCAGAGCGGTACTGTCAATGCAGAGAACC	513
Qy		115	GlyGlyAlaPheLeuIleArgGluSerGlnThrArgArgGlySerTyrrSerLeuSerVal	134
Db		514	ACAGGGAGCTTCTCGTCGGAAGAAGTGACACCAAGGAAGTGCTTCTCAGTG	573
Qy		135	ArgLeuSerArgProAlaSerTrpAspArgIleArgHisTyrrArgIleHisCysLeuAsp	154
Db		574	TCGTACTTCGACACGCCAAGGGCCTCAACGTGAGGCACTACAAGATCCGCAAGCTGGAC	633
Qy		155	AsnGlyTrpLeuTyrrIleSerProArgLeuThrPheProSerLeuGlnAlaLeuValAsp	174
Db		634	AGCGCGGCGCTTACATCACCTCCCGACCCAGTTCAACAGCCTGCAGAGCTGGTGGCC	693
Qy		175	HisTyrrSerGluLeuAlaAspAspIleCysCysLeuLeuLysGluProCys-----	191
Db		694	TACTACTCCAACACGCCGATGGCTGTGGCACCGCCTCACACCGGTGTGCCCGACGTCC	753
Qy		192	-----ValLeuGlnArgAlaGlyProLeuProGlyLysAspIlePro	205

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: July 25, 2004, 03:47:27 ; Search time 486 seconds
(without alignments)
2625.198 Million cell updates/sec

Title: US-09-939-853A-75

Perfect score: 1353

Sequence: 1 MGSLSRKRKSLPSPSSSV.....RESLSFVSLNDEAVSLDDA 261

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Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 3216467 seqs, 2444149694 residues

Total number of hits satisfying chosen parameters: 6432934

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-DB=Published Applications NA -QWTF=fastap -SUFFIX=rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blsum62
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR_SCORE=pct -THR_MAX=100
-THR_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=200000000 -USER=US0939853 @CGN 1 1 221 @runat 20072004 103721 12196
-NCPU=6 -ICPU=3 -NO MAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPLOCK=100
-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA:

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16: /cn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:
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18: /cn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:
19: /cn2_6/ptodata/1/pubpna/US60_NEW_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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ALIGNMENTS

RESULT 1

US-09-939-853A-74

; Sequence 74, Application US/0939853A

; Publication No. US20040039163A1

; GENERAL INFORMATION:

; APPLICANT: Burgess et al.

; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same

; FILE REFERENCE: 21402-099

; CURRENT FILING DATE: 2001-08-27

; PRIOR APPLICATION NUMBER: 60/228,191

; PRIOR FILING DATE: 2000-08-25

; PRIOR APPLICATION NUMBER: 60/267,300

; PRIOR FILING DATE: 2001-02-08

; PRIOR APPLICATION NUMBER: 60/269,961

; PRIOR FILING DATE: 2001-02-20

; PRIOR APPLICATION NUMBER: 60/277,337

; PRIOR FILING DATE: 2001-03-20

; NUMBER OF SEQ ID NOS: 159

; SOFTWARE: Patent In Ver. 2.1

; SEQ ID NO 74

; LENGTH: 1183

; TYPE: DNA

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	3	1347	99.6	786	15 <td>US-10-043-649-1</td> <td>Sequence 1, Appl</td>	US-10-043-649-1	Sequence 1, Appl
	4	1206.5	89.2	1413	17 <td>US-10-115-635-120</td> <td>Sequence 120, App</td>	US-10-115-635-120	Sequence 120, App
	5	826	61.0	783	9 <td>US-09-867-550-953</td> <td>Sequence 953, App</td>	US-09-867-550-953	Sequence 953, App
	6	643	47.5	864	10 <td>US-09-814-353-21302</td> <td>Sequence 21302, A</td>	US-09-814-353-21302	Sequence 21302, A
	7	586	43.3	875	14 <td>US-09-867-550-1915</td> <td>Sequence 1915, Ap</td>	US-09-867-550-1915	Sequence 1915, Ap
	8	488	36.1	3756	9 <td>US-10-002-600-91</td> <td>Sequence 91, Appl</td>	US-10-002-600-91	Sequence 91, Appl
	9	487	36.0	2665	9 <td>US-09-954-456-499</td> <td>Sequence 499, App</td>	US-09-954-456-499	Sequence 499, App
	10	487	36.0	2665	13 <td>US-10-342-887-1312</td> <td>Sequence 1312, Ap</td>	US-10-342-887-1312	Sequence 1312, Ap
	11	487	36.0	2665	13 <td>US-10-172-118-1312</td> <td>Sequence 1312, Ap</td>	US-10-172-118-1312	Sequence 1312, Ap
	12	452.5	33.4	444	9 <td>US-09-867-550-951</td> <td>Sequence 951, App</td>	US-09-867-550-951	Sequence 951, App
	13	370.5	27.4	2298	13 <td>US-10-342-887-762</td> <td>Sequence 762, App</td>	US-10-342-887-762	Sequence 762, App
	14	370.5	27.4	2298	13 <td>US-10-172-118-762</td> <td>Sequence 762, App</td>	US-10-172-118-762	Sequence 762, App
	15	370.5	27.4	2298	15 <td>US-10-175-523-50</td> <td>Sequence 50, Appl</td>	US-10-175-523-50	Sequence 50, Appl
	16	370.5	27.4	2298	15 <td>US-10-159-563-343</td> <td>Sequence 343, App</td>	US-10-159-563-343	Sequence 343, App
	17	370.5	27.4	2298	17 <td>US-10-641-643-1158</td> <td>Sequence 1158, Ap</td>	US-10-641-643-1158	Sequence 1158, Ap
	18	360.5	26.6	1924	16 <td>US-10-193-720-1</td> <td>Sequence 1, Appl</td>	US-10-193-720-1	Sequence 1, Appl
	19	360.5	26.6	2015	9 <td>US-09-354-456-1983</td> <td>Sequence 1983, Ap</td>	US-09-354-456-1983	Sequence 1983, Ap
	20	360.5	26.6	2015	13 <td>US-10-342-887-726</td> <td>Sequence 726, App</td>	US-10-342-887-726	Sequence 726, App
	21	360.5	26.6	2015	13 <td>US-10-172-118-726</td> <td>Sequence 726, App</td>	US-10-172-118-726	Sequence 726, App
	22	360.5	26.6	2015	15 <td>US-10-007-010-3</td> <td>Sequence 3, Appl</td>	US-10-007-010-3	Sequence 3, Appl
	23	360.5	26.6	2015	17 <td>US-10-641-643-1105</td> <td>Sequence 1105, Ap</td>	US-10-641-643-1105	Sequence 1105, Ap
	24	360.5	26.6	2341	15 <td>US-10-252-157-140</td> <td>Sequence 140, App</td>	US-10-252-157-140	Sequence 140, App
	25	360.5	26.6	2343	16 <td>US-10-062-674-2038</td> <td>Sequence 2038, Ap</td>	US-10-062-674-2038	Sequence 2038, Ap
	26	358.5	26.5	1911	9 <td>US-09-917-800A-1611</td> <td>Sequence 1611, Ap</td>	US-09-917-800A-1611	Sequence 1611, Ap
	27	350	25.9	320	10 <td>US-09-814-353-17314</td> <td>Sequence 17314, A</td>	US-09-814-353-17314	Sequence 17314, A
	28	348	25.7	1530	12 <td>US-09-997-722-234</td> <td>Sequence 234, App</td>	US-09-997-722-234	Sequence 234, App
	29	348	25.7	2032	12 <td>US-09-997-722-233</td> <td>Sequence 233, App</td>	US-09-997-722-233	Sequence 233, App
	30	348	25.7	2032	16 <td>US-10-366-288-27</td> <td>Sequence 27, Appl</td>	US-10-366-288-27	Sequence 27, Appl
	31	348	25.7	2032	17 <td>US-10-316-515-4</td> <td>Sequence 4, Appl</td>	US-10-316-515-4	Sequence 4, Appl
	32	340	25.1	2017	16 <td>US-10-062-674-1776</td> <td>Sequence 1776, Ap</td>	US-10-062-674-1776	Sequence 1776, Ap
	33	340	25.1	2034	13 <td>US-09-805-020-3</td> <td>Sequence 3, Appl</td>	US-09-805-020-3	Sequence 3, Appl
	34	340	25.1	2129	13 <td>US-09-960-706-954</td> <td>Sequence 954, App</td>	US-09-960-706-954	Sequence 954, App
	35	340	25.1	2129	16 <td>US-10-305-720-1452</td> <td>Sequence 1452, Ap</td>	US-10-305-720-1452	Sequence 1452, Ap
	36	340	25.1	2129	17 <td>US-10-316-515-75</td> <td>Sequence 75, Appl</td>	US-10-316-515-75	Sequence 75, Appl
	37	338.5	25.0	1530	12 <td>US-09-997-722-231</td> <td>Sequence 231, App</td>	US-09-997-722-231	Sequence 231, App
	38	338.5	25.0	2100	12 <td>US-09-997-722-230</td> <td>Sequence 230, App</td>	US-09-997-722-230	Sequence 230, App
	39	337	24.9	2282	13 <td>US-09-805-020-4</td> <td>Sequence 4, Appl</td>	US-09-805-020-4	Sequence 4, Appl
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	41	324	23.9	2433	15 <td>US-10-240-965-114</td> <td>Sequence 114, App</td>	US-10-240-965-114	Sequence 114, App
	42	323	23.9	2435	17 <td>US-10-641-643-1313</td> <td>Sequence 1313, Ap</td>	US-10-641-643-1313	Sequence 1313, Ap
	43	322.5	23.8	2451	9 <td>US-09-771-161A-4</td> <td>Sequence 4, Appl</td>	US-09-771-161A-4	Sequence 4, Appl
	44	320	23.7	1609	9 <td>US-09-771-161A-30</td> <td>Sequence 30, Appl</td>	US-09-771-161A-30	Sequence 30, Appl
	45	320	23.7	1614	12 <td>US-10-052-482-126</td> <td>Sequence 126, App</td>	US-10-052-482-126	Sequence 126, App

```
; ORGANISM: Homo sapiens
US-09-939-853A-74

Alignment Scores:
Pred. No.: 6,56e-148 Length: 1183
Score: 1353.00 Matches: 261
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-939-853A-75 (1-261) x US-09-939-853A-74 (1-1183)
QY 1 MetGlySerLeuProSerArgArgLysSerLeuProSerProSerSerSerSerVal 20
DB 398 ATGGGAAGTCTGCCAGCAGAGAAATCTCTCCAGAGCCCAAGCTTGAGTTCTCTGTC 457
QY 21 GlnGlyGlnGlyProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeu 40
DB 458 CAAGCCAGGACCTGTGACCATGGAAGCAGAGAGAAAGCAAGCCACAGCCGTGGCCCTG 517
QY 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
DB 518 GGCAAGTTTCCCGCAGGTGCCCGCCGAGCTGTGCTGAGACTCGGGAGGCCATTGACC 577
QY 61 IleValSerGluAspGlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTyr 80
DB 578 ATCGTCTCTCAGGATGAGACTGGTGACGGTCTGTCTGAAGTCTCAGCAGAGAGTAT 637
QY 81 AsnIleProSerValHisValGlyLysValSerHisGlyTrpLeuTyrGluGlyLeuSer 100
DB 638 AACATCCCGACGTCCACGTGGGCAAGTCTCCCATGGTGGCTGTATGAGGCGCTGAGC 697
QY 101 ArgGluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyAlaPheLeuIle 120
DB 698 AGGAGAAACAGAGGAACCTGTGTACCTGGGAACCCCTGGAGGGGCTTCTTCATC 757
QY 121 ArgGluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAla 140
DB 758 CGGAGAGCCAGACCAAGGAGGCTCTTACTCTCTGCTCAGTCCGCCCTCAGCCGCCCTGCA 817
QY 141 SerTrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIle 160
DB 818 TCCTGGACCGATCAGACACTACAGATCCACTGCTTGCACAAATGGCTGGCTGTACATC 877
QY 161 SerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAla 180
DB 878 TCACCGCGCTCACCTTCCCTCACTCCAGGCCCTGGTGACCATTTACTCTGAGCTGGCG 937
QY 181 AspAspIleCysCysLeuLeuLysGluProCysValLeuGlnArgAlaGlyProLeuPro 200
DB 938 GATGACATCTGCTGCTTACTCAAGGAGCCCTGTGCTCTCAGAGGCTGGCCGCTCCCT 997
QY 201 GlyLysAspIleProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeu 220
DB 998 GGCAAGATATACCCCTACTCTGTGCTGTGACAGAGGACCACTCACTGGAAGAGCTG 1057
QY 221 AspSerSerLeuLeuPheSerGluAlaAlaThrGlyGluSerLeuLeuSerGluGly 240
DB 1058 GACAGCTCCCTCTCTGTTTCTGAAGCTGCCAGGGGAGGAGTCTCTCTCAGTGGGGT 1117
QY 241 LeuArgGluSerLeuSerPheTrpIleSerLeuAsnAspGluAlaValSerLeuAspAsp 260
DB 1118 CTCGGGAGTCCCTCAGCTTCTACATCAGCTGATGACGAGGCTGTCTCTTTGATGAT 1177
QY 261 Ala 261
DB 1178 GCC 1180

RESULT 2
US-09-939-853A-76/c
; Sequence 75, Application US/09939853A
; Publication No. US20040039163A1
```

Db 186 GGCAGGATATACCCCTAGCTGTGACTGTGCAGAGACACCACTCAACTGGAAAGAGCTG 127
QY 221 AspSerSerLeuLeuPheSerGluAlaAaThrGlyGluGluSerLeuLeuSerGluGly 240
Db 126 GACAGCTCCCTCTGTTTCTGAGTGTCCAGAGGAGAGTCTCTTCTAGTGAGGT 67
QY 241 LeuArgGluSerLeuSerPheTyrIleSerLeuAsnAspGluAlaValSerLeuAspAsp 260
Db 66 CTCGGGAGTCCCTCAGCTTCTACATCAGCTGAATGACGAGGCTGTCTCTTTGGATGAT 7
QY 261 Ala 261
Db 6 GCC 4

RESULT 3

US-10-043-649-1
; Sequence 1, Application US/10043649
; Publication No. US20030059924A1
; GENERAL INFORMATION:
; APPLICANT: Holland, Sacha J.
; APPLICANT: Mendenhall, Marcy K.
; APPLICANT: Pardo, Jorge
; APPLICANT: Spencer, Collin
; APPLICANT: Fu, C. Alan
; APPLICANT: Luo, Ying
; APPLICANT: Payan, Donald G.
; APPLICANT: Mancebo, Helena S.Y.
; APPLICANT: Wu, Jun
; APPLICANT: Zhou, Xiulan
; APPLICANT: Shen, Mary
; APPLICANT: Liao, X. Charlene
; APPLICANT: Sheng, Ning
; TITLE OF INVENTION: Cloning of a No. US20030059924A1e1 Inhibitor of Antigen-receptor
; FILE OF INVENTION: Retroviral-based Functional Screen
; FILE REFERENCE: A-70219-1/RMS/DHR
; CURRENT APPLICATION NUMBER: US/10/043,649
; CURRENT FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/260,953
; PRIOR FILING DATE: 2001-01-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 786
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(786)
; OTHER INFORMATION:
US-10-043-649-1

Alignment Scores:
Pred. No.: 1,87e-147 Length: 786
Score: 1347.00 Matches: 260
Percent Similarity: 99.62% Conservative: 0
Best Local Similarity: 99.62% Mismatches: 1
Query Match: 99.56% Indels: 0
DB: 15 Gaps: 0

US-09-939-853a-75 (1-261) x US-10-043-649-1 (1-786)

QY 1 MetGlySerLeuProSerArgArgGlySerLeuProSerProSerLeuSerSerVal 20
Db 1 ATGGGAAGTCTGCCAGCAGCAAGAAAATCTCTCCCAAGCCCAAGCTTGAGTTCTCTGTC 60
QY 21 GlnGlyGlnGlyProValThrMetGluAlaGluArgSerIysAlaThrAlaValAlaLeu 40
Db 61 CAAGGCCAGGAGCCTGTGACCATGGAAGCAGAGAGCAAGCAAGCCACCGCTGGCCCTG 120
QY 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
Db 121 GGCAGTTTCCCGCAGGTGGCCCGCGGAGCTGTCTGAGACTCGGGAGCCATTGACC 180

QY 61 IleValSerGluAspGlyAspTyrTrpThrValLeuSerGluValSerGlyArgGluTyr 80
Db 181 ATCGTCTCTGAGGATGAGACTGTGTGACGCTGTCTGTGAAGTCTCAGGCAGAGATAT 240
QY 81 AsnIleProSerValHisValGlyIysValSerHisGlyTrpLeuTyrGluGlyLeuSer 100
Db 241 AACATCCCAACGCGTCCACGTCGGCCAAAGTCTCCCATGGGTGGCTGTATGAGGGCTCAGC 300
QY 101 ArgGluIysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIle 120
Db 301 AGGAGAGAAGCAGAGGAACCTGTCTGTACCTGGGAACCTCGGAGGGCTCTCTCATC 360
QY 121 ArgGluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAla 140
Db 361 CGGAGAGACCCAGACGAGAGGCTCTTACTCTCTGTCACTCCGCTTCAGCCGCCCTGCA 420
QY 141 SerTrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIle 160
Db 421 TCCTGGGACCGGATCAGACACTACAGGATCCACTGCCCTTGACAAATGCTGGCTGTACATC 480
QY 161 SerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAla 180
Db 481 TCACCGCGCTCACCTTCCCTCCTCAGCCCTCAGGAGGAGGAGGAGGAGGAGGAGGAGG 540
QY 181 AspAspIleCysCysLeuLeuLeuProCysValLeuGlnArgAlaGlyProLeuPro 200
Db 541 GATGACATCTCTGCTGCTACTCAGAGGCTGTCTCTGAGAGGCTGGCCCTCTCCT 600
QY 201 GlyIysAspIleProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeu 220
Db 601 GGCAAGGATATACCCCTTACCTGTGACTGTGCAGAGGACACCCACTCAACTGGAAAGAGCTG 660
QY 221 AspSerSerLeuLeuPheSerGluAlaAaThrGlyGluGluSerLeuLeuSerGluGly 240
Db 661 GACAGCTCCCTCTGTTTCTGAAAGCTGCCACAGGGAGGAGTCTCTTCAGTGAGGCT 720
QY 241 LeuArgGluSerLeuSerPheTyrIleSerLeuAsnAspGluAlaValSerLeuAspAsp 260
Db 721 CTCGGGAGTCCCTCAGCTTCTACATCAGCTGAATGACGAGGCTGTCTCTTTGATGAT 780
QY 261 Ala 261
Db 781 GCC 783

RESULT 4

US-10-115-635-120
; Sequence 120, Application US/10115635
; Publication No. US2004013743A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Zhang, Jie
; APPLICANT: Zhao, Qing A.
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wehrman, Tom
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE OF INVENTION: Polypeptides
; FILE REFERENCE: 797CON
; CURRENT APPLICATION NUMBER: US/10/115,635
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: 09/714,936
; PRIOR FILING DATE: 2000-11-17
; NUMBER OF SEQ ID NOS: 362
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 120
; LENGTH: 1413

TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (54)..(686)
US-10-115-635-120

Alignment Scores:
Pred. No.: 1,08e-130 Length: 1413
Score: 1206.50 Matches: 240
Percent Similarity: 91.60% Conservatives: 0
Best Local Similarity: 91.60% Mismatches: 4
Query Match: 89.17% Indels: 18
DB: 17 Gaps: 1

US-09-939-853A-75 (1-261) x US-10-115-635-120 (1-1413)

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QY 1 MetGlySerLeuProSerArgArgLysSerLeuProSerProSerLeuSerSerSerVal 20
DB 54 ATGGAGGCTGCCAGCAGAGAGAAATCTCTCCCAAGCCCAAGCTTGAGTTCTCTGTGC 113
QY 21 GlnGlyGlnGlyProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeu 40
DB 114 CAGGCCAGGAGCTGTGACCATGGAAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 173
QY 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
DB 174 GGCAGTTTCCCGCAGGTGGCCGCGCAGCTGTCTGAGATCTCGGGAGGCCATTGACC 233
QY 61 IleValSerGluAspGlyAspTrrThrValLeuSerGluValSerGlyArgGluTyr 80
DB 234 ATCGTCTCTGAGATGGAGACTGGTGACCGTCTGTCTGAAGTCTCAGCAGAGAGTAT 293
QY 81 AsnIleProSerValHisValGlyLysValSerHisGlyTrrPheTyrGluGlyLeuSer 100
DB 294 AACATCCCGCAGCTCCAGTGGCCAAAGTCTCCCATGGGTGGGTGTATGAGGCGCTGAGC 353
QY 101 ArgGluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIle 120
DB 354 AGGAGAAACAGAGGAACCTGCTGTGTACCTGGGAACCTCGAGGGGCTTCTCTCATC 413
QY 121 ArgGluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAla 140
DB 414 CGGAGAGCCAGACCCAGAGAGCTCTTACTCTGTCTGATCGCTCGCTCAGCGCCCTGCA 473
QY 141 SerTrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrrPheTyrIle 160
DB 474 TCCTGGGACCGGATCAGACACTCAGGATCCACTGGCTTGACAAATGGCTGGGTGTACATC 533
QY 161 SerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAla 180
DB 534 TCACCGGCGCTCACCCTCCCTCCTCCTCAGGCGCTGGGGGACCACTTAC ----- 581
QY 181 AspAspIleCysCysLeuLeuLysGluProCysValLeuGln-ArgAlaGlyProLeuPr 200
DB 582 -----TCTGAGGCGCTGGCGCGCTGCC 602
QY 200 oGlyLysAspIleProLeuProValThrValGlnArgThrProLeuAsnTrrPysGluLe 220
DB 603 TGGCAGGATATACCCCTACTGTGACTGTGACAGAGACACCACTCACTGGAAGAGCT 562
QY 220 uAspSerSerLeuLeuPheSerGluAlaAlaThrGlyGluGluSerLeuSerGluGly 240
DB 663 GGACAGCTCCCTCTGTTTCTGAAGCTGCCACAGGGGAGGAGTCTCTTCTCAGTGAGGG 722
QY 240 YLeuArgGluSerLeuSerPheTyrIleSerLeuAsnAspGluAlaValSerLeuAspAs 260
DB 723 TCTCCGGGAGTCCCTTACCTTCTACATCAGCCTGAATGACAGGCTGTCTCTTTGGATGA 782
QY 260 pAla 261
DB 783 TGCC 786
```

RESULT 5

US-09-867-550-953
; Sequence 953, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: NO. US20020082206A1el Polynucleotides from Atherogenic Cells and
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-953

Alignment Scores:
Pred. No.: 1,26e-86 Length: 763
Score: 826.00 Matches: 158
Percent Similarity: 99.37% Conservatives: 0
Best Local Similarity: 99.37% Mismatches: 1
Query Match: 61.05% Indels: 0
DB: 9 Gaps: 0

US-09-939-853A-75 (1-261) x US-09-867-550-953 (1-763)

```
QY 1 MetGlySerLeuProSerArgArgLysSerLeuProSerProSerLeuSerSerSerVal 20
DB 286 ATGGAGGCTGCCAGCAGAGAGAAATCTCTCCCAAGCCCAAGCTTGAGTTCTCTGTGC 345
QY 21 GlnGlyGlnGlyProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeu 40
DB 346 CAAGCCAGGAGCTGTGACCATGGAAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 405
QY 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
DB 406 GGCAGTTTCCCGCAGGTGGCCGCGCAGCTGTCTGAGACTCGGGGAGCCATTGACC 465
QY 61 IleValSerGluAspGlyAspTrrThrValLeuSerGluValSerGlyArgGluTyr 80
DB 466 ATCGTCTCTGAGGATGGAGACTGGTGACCGTGTCTGAAGTCTCAGCAGAGAGTAT 525
QY 81 AsnIleProSerValHisValGlyLysValSerHisGlyTrrPheTyrGluGlyLeuSer 100
DB 526 AACATCCCGCAGCTCCAGCTGGCCAAAGTCTCCCATGGGTGGGTGTATGAGGCGCTGAGC 585
QY 101 ArgGluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIle 120
DB 586 AGGAGAGAAAGCAGAGGAACCTGCTTCTTACCTGGGAACCTCGAGGGGCTTCTCTCATC 645
QY 121 ArgGluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAla 140
DB 646 CGGAGAGCCAGACAGAGAGAGGCTCTTACTCTGTCTGAGTCTCGCTCAGCAGCCGCTGCA 705
QY 141 SerTrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrrPheTyr 159
DB 706 TCCTGGGACCGGATCAGACACTCAGGATCCACTGCTTGCACAAATGGCTGGCTGTAC 762
```

RESULT 6

US-09-814-353-21302
; Sequence 21302, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John

```
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MEI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21302
; LENGTH: 864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 32, 862, 863, 864
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21302

Alignment Scores:
Pred. No.: 3 53e-65 Length: 864
Score: 643.00 Matches: 126
Percent Similarity: 98.45% Conservative: 1
Best Local Similarity: 97.67% Mismatches: 2
Query Match: 47.52% Indels: 0
DB: 10 Gaps: 0

US-09-939-853A-75 (1-261) x US-09-814-353-21302 (1-864)
Qy 1 MetGlySerLeuProSerArgArgLysSerLeuProSerProSerLeuSerSerVal 20
Db 450 ATGGGAAGTCTGCCAGCAGAGAAATCTCTGCCAAGCCCAAGCTTGATTCCTCTGTC 509
Qy 21 GlnGlyGlnGlyProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeu 40
Db 510 CAAGGCCAGGACCTGTGACCATGGAGCAGAGAGAGCAAGCCACACCGCTGCCCCGTG 569
Qy 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
Db 570 GGCAGATTTCGGCAGGTGGCCCGCCGAGCTGTGCTGAGACTCGGGAGCCATTGACC 629
Qy 61 IleValSerGluAspGlyAspTrpThrValLeuSerGluValSerGlyArgGluTyr 80
Db 530 ATCGTCTCTGAGATGGAGACTGGTGGACGGTCTGTCTGAAGTCTCAGGACAGAGTAT 689
Qy 81 AsnIleProSerValHisValGlyLysValSerHisGlyTrpLeuTyrGluGlyLeuSer 100
Db 690 AACATCCCCAGCGTCCACGTGGCCAAAGTCTCCATGGGTGGCTGTATGAGGGCCCTGAGC 749
Qy 101 ArgGluLysAlaGluGluLeuLeuLeuLeuProGlyAsnProGlyValAlaPheLeuIle 120
Db 750 AGGAGAAAGCAGAGGAGACTGTCTGTGTTACTTGGGAACCTGGAGGGCCCTTCTCATC 809
Qy 121 ArgGluSerGlnThrArgArgGlySer 129
Db 810 CGGAGAGACCCAGCAGAGAGGTCC 836

RESULT 7
US-09-867-550-1915
; Sequence 1915, Application US/09867550
```

```
; Patent NO. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Menraban, Foad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1915
; LENGTH: 875
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)
; OTHER INFORMATION: Wherein n is one of a or t or c or g
US-09-867-550-1915

Alignment Scores:
Pred. No.: 1 63e-58 Length: 875
Score: 586.00 Matches: 112
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.31% Indels: 0
DB: 9 Gaps: 0

US-09-939-853A-75 (1-261) x US-09-867-550-1915 (1-875)
Qy 150 IleHisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeuThrPheProSerLeu 169
Db 4 ATCCACTGGCTTGACAAATGGCTGGTGTACATCTCACCGCGCTCACCTTCCCTCACTC 63
Qy 170 GlnAlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCysCysLeuLeuLysGlu 189
Db 64 CAGCCCTGGTGGACCATTTACTCTGAGCTGGCGGATGACATCTGTGCTACTCAAGAG 123
Qy 190 ProCysValLeuGlnArgAlaGlyProLeuProGlyLysAspIleProLeuProValThr 209
Db 124 CCCTGTGTCTCTGCAGAGGCTGGCCGCTCCCTGGCAAGGATATACCCCTACCTGTGACT 183
Qy 210 ValGlnArgThrProLeuAsnTrpLysGluLeuAspSerSerLeuLeuPheSerGluAla 229
Db 184 GTGCAGAGACACCATCTCACTGGAAGAGCTGGACAGCTCCCTCTCTGTTTCTGAAGCT 243
Qy 230 AlaThrGlyGluGluSerLeuLeuSerGluGlyLeuArgGluSerLeuSerPheTyrIle 249
Db 244 GCCACAGGGAGGAGGTCTCTTCTCAGTGAGGCTCTCCGGAGTCCCTCAGCTTCTACATC 303
Qy 250 SerLeuAsnAspGluAlaValSerLeuLeuAspAla 261
Db 304 AGCCTGAATGACGAGCTGTCTCTTTGGATGATGCC 339

RESULT 8
US-10-002-600-91
; Sequence 91, Application US/10002600
; Publication No. US20020137077A1
; GENERAL INFORMATION:
; APPLICANT: Hopkins, Christopher M.
; APPLICANT: Peterson, David P.
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS
; FILE REFERENCE: PA-0042 US
; CURRENT APPLICATION NUMBER: US/10/002,600
; CURRENT FILING DATE: 2001-10-25
```

;; PRIOR APPLICATION NUMBER: 60/243,521
;; PRIOR FILING DATE: 2000-10-25
;; NUMBER OF SEQ ID NOS: 116
;; SOFTWARE: PERL Program

;; SEQ ID NO 91
;; LENGTH: 3756
;; TYPE: DNA
;; ORGANISM: Homo sapiens

;; FEATURE:
;; NAME/KEY: misc feature
;; OTHER INFORMATION: Template ID: 059263.15

US-10-002-600-91

Alignment Scores:
Pred. No.: 3,44e-46 Length: 3756
Score: 488.00 Matches: 101
Percent Similarity: 57.20% Conservatives: 46
Best Local Similarity: 39.30% Mismatches: 94
Query Match: 36.07% Indels: 16
DB: 14 Gaps: 3

US-09-939-853a-75 (1-261) x US-10-002-600-91 (1-3756)

QY 5 ProSerArgArgLysSerLeuProSerProSerLeuSerSerValGlnGlyGlnGly 24

Db 1098 CCAGGGAAGAAAGAAATGGGAACACGATCAATCCACCCCTCGGCTGCCGAGAGG 1157
QY 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44
Db 1158 CCCTCTCCCAACCCGAGGAGCTGGATAGCGACTTCTCTTCCGCTGCTAAGTGACTACCCG 1217
QY 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64
Db 1218 TCTCTCGATCATGACGCCCCCGATATCCGCCGAGGGGAGAACTCGGTGTGATTCTCTGAT 1277
QY 65 AspGlyAspTrpThrValLeuSerGluValSerGlyArgGluTyrrAsnIleProSer 84
Db 1278 GAAGGGGGTGTGGAAAGCTATTTCTTACACTGGTTCGAGAGAGTATACATCCCTCGA 1337
QY 85 ValHisValGlyLysValSerHisGlyTrpLeuTyrrGluGlyLeuSerArgGluLysAla 104
Db 1338 ATATGTGTGGCAGAGTTTACCATGCTGCTGCTGTGTGAGGGCTGGGAGAGAGAGGCC 1397
QY 105 GluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGln 124
Db 1398 GAGGAGCTGCTCAGCTGCGACACACAAAGGTCGCTCTCTCATGATCAGAGAGAGTGAG 1457
QY 125 ThrArgArgGlySerTyrrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArg 144
Db 1458 ACCAAGAAGGTTTACTACTGTCGGTGAGACAAAG-----CAG 1499
QY 145 IleArgHisTyrrArgIleHisCysLeuAspAsnGlyTrpLeuTyrrIleSerProArgLeu 164
Db 1500 GTAAAGCATACCGCATTTTCGCTGTCGCCAACCAACTGGTACTACATTTCCCGAGGCTC 1559
QY 165 ThrPheProSerLeuGluAlaLeuValAspHisTyrrSerGluLeuAlaAspAspIleCys 184
Db 1560 ACCITTCAGTCCGTGGAGGACTGCTGTAACCACTATTCTGAGGTGGCTGATGGCTGTGC 1619
QY 185 CysLeuLeuLysGluProCysValLeuGlnArgAlaGlyProLeuProGlyLysAspIle 204
Db 1620 TGTGTGCTCACCACGCTCTGCTGACACAAAGCAGCGCTGCCGAGAGTGAGCGCTCC 1679
QY 205 ProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeuAspSerSerLeu 224
Db 1680 AGCTACCTGTTCACCTTTCGCTGAGAGACTGTGTAACCACTATTCTGAGGTGGCTGATGGCTGTGC 1733
QY 225 LeuPheSerGluAlaAlaThrGly-----GluGluSerLeuLeu 237
Db 1734 ---CTGCAGGAGGACCCCGAGGGAACAGAGAACCCGCTTGGGTGAGACGAGTCCCTTTC 1790
QY 238 SerGluGlyLeuArgGluSerLeuSerPheTyrrIleSerLeuAsnAspGlu 254
Db 1790

Db 1791 AGCTATGGCTTCGAGAGAGCATTCCTCTTACCTGTCCCTGACCACTGAG 1841

RESULT 9

US-09-954-456-499

;; Sequence 499, Application US/09954456

;; Patent No. US20020115057A1

;; GENERAL INFORMATION:

;; APPLICANT: Young, Paul

;; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canceled

;; TITLE OF INVENTION: Sets

;; FILE REFERENCE: 689290-76

;; CURRENT APPLICATION NUMBER: US/09/954,456

;; PRIOR FILING DATE: 2001-09-18

;; PRIOR APPLICATION NUMBER: US/60/233,617

;; PRIOR FILING DATE: 2000-09-18

;; PRIOR APPLICATION NUMBER: US/60/234,052

;; PRIOR FILING DATE: 2000-09-20

;; PRIOR APPLICATION NUMBER: US/60/234,923

;; PRIOR FILING DATE: 2000-09-25

;; PRIOR APPLICATION NUMBER: US/60/235,134

;; PRIOR FILING DATE: 2000-09-25

;; PRIOR APPLICATION NUMBER: US/60/235,637

;; PRIOR FILING DATE: 2000-09-26

;; PRIOR APPLICATION NUMBER: US/60/235,638

;; PRIOR FILING DATE: 2000-09-26

;; PRIOR APPLICATION NUMBER: US/60/235,711

;; PRIOR FILING DATE: 2000-09-27

;; PRIOR APPLICATION NUMBER: US/60/235,720

;; PRIOR FILING DATE: 2000-09-27

;; PRIOR APPLICATION NUMBER: US/60/235,840

;; PRIOR FILING DATE: 2000-09-27

;; PRIOR APPLICATION NUMBER: US/60/235,863

;; PRIOR FILING DATE: 2000-09-27

;; NUMBER OF SEQ ID NOS: 2276

;; SOFTWARE: PatentIn version 3.0

;; SEQ ID NO 499

;; LENGTH: 2665

;; TYPE: DNA

;; ORGANISM: Homo sapiens

US-09-954-456-499

Alignment Scores:

Pred. No.: 2,79e-46 Length: 2665
Score: 487.00 Matches: 101
Percent Similarity: 57.20% Conservatives: 46
Best Local Similarity: 39.30% Mismatches: 94
Query Match: 35.99% Indels: 16
DB: 9 Gaps: 3

US-09-939-853a-75 (1-261) x US-09-954-456-499 (1-2665)

QY 5 ProSerArgArgLysSerLeuProSerProSerLeuSerSerValGlnGlyGlnGly 24

Db 24 CCAGGGAAGAAAGAAATGGGAACACGATCAATCCACCCCTCGGCTGCCGAGAGG 83

QY 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44

Db 84 CCCTCTCCCAACCCGAGGAGCTGGATAGCGACTTCTCTTCCGCTGCTAAGTGACTACCCG 143

QY 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64

Db 144 TCTCTCGATCATGACGCCCCCGATATTCGCCGAGGGGAGAACTCGGTGTGATTCTGAT 203

QY 65 AspGlyAspTrpThrValLeuSerGluValSerGlyArgGluTyrrAsnIleProSer 84

Db 204 GAAGGGGGCTGTGGAAAGCTATTCTTACACTGTTCGAGAGAGTTATACCTCCCTGGA 263

QY 85 ValHisValGlyLysValSerHisGlyTrpLeuTyrrGluGlyLeuSerArgGluLysAla 104

Db 264 ATATGTGTGGCAGAGTTTACCATGGCTGCTGTGTGAGGGCTGGGAGAGCAAGGCC 323

QY 105 GluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGln 124

Db 124


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Db 324 GAGGAGCTGCTGACGCTGCCAGACACAAAGGTGGCTCCTTCATGATCAGAGAGGTGAG 383
Qy 125 ThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArg 144
Db 384 ACCAGAAAGGGTTTACTCACTGCTGGTGA-----CACAGGCAG 425
Qy 145 IleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeu 164
Db 426 GTAAAGCATTACCGATTTCCTGCTGCCGACAACTGGTACTACTATTCCTCCCGAGGCTC 485
Qy 165 ThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCys 184
Db 486 ACCTTCAGTGTGGAGACCTGGTGAACCACTATTCTGAGGTGGCTGATGGCTGTGC 545
Qy 185 CysLeuLeuGlyGluProCysValLeuGlnArgAlaGlyProLeuProGlyLysAspIle 204
Db 546 TGTGTGCTCACCAGCCCTGCTGCACAAAGCAGCGCTGCCAGCAGTGGAGGCGCTCC 605
Qy 205 ProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeuAspSerSerLeu 224
Db 606 AGCTCACCTGTCCACCTGGCTGAGAGACTGTGGACTGTGGAGAGAGTGTCCAGA----- 659
Qy 225 LeuPheSerGluAlaAlaThrGly-----GluGluSerLeuLeu 237
Db 660 ---CTGCAGGAGGACCCCGAGGAAACAGAGAACCGCTTGGGGTAGACGAGTCCCTTTTC 716
Qy 238 SerGluGlyLeuArgGluSerLeuSerPheTyrIleSerLeuAsnAspGlu 254
Db 717 AGCTATGGCTTCGAGAGAGCATTGCCTCTTACCTGTCTCCCTGACCAAGTGAG 767

RESULT 10
US-10-342-887-1312
; Sequence 1312, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 50/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1312
; LENGTH: 2665
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-1312

Alignment Scores:
Pred. No.: 2,79e-46 Length: 2665
Score: 487.00 Matches: 101
Percent Similarity: 57.20% Conservative: 46
Best Local Similarity: 39.30% Mismatches: 94
Query Match: 35.99% Indels: 16
DB: 13 Gaps: 3

US-09-939-853A-75 (1-261) x US-10-342-887-1312 (1-2665)
Qy 5 ProSerArgGlySerLeuProSerProSerLeuSerSerValGlnGlyGlnGly 24
Db 24 CCAGGAAAGAAAGAAATGGGAAACAGCATGAATCCACCCCTCGCTGGCTGCCGAGG 83
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Qy 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44
Db 84 CCCTGCCCCAACCCGAGGAGCTGGATAGGACTTCTTCCCGTGTAGTACTACCCG 143
Qy 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64
Db 144 TCTCTGACATCAGCCCGCATATTCCGCCGAGGGGAGAAACTGGCTGTGATTCTGTAT 203
Qy 65 AspGlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSer 84
Db 204 GAAGGGGGCTGGTGGAAAGCTATTCTTTCAGCAGTGGTGGAGAGTTCATCCCTGGA 263
Qy 85 ValHisValGlyLysValSerHisGlyTrpLeuTyrGluGlyLeuSerArgGluLysAla 104
Db 264 ATATGTGTGCCAGAGTTTACCATGCTGCTGCTTTGAGGCGCTGGCAGACAGCAAGGC 323
Qy 105 GluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGln 124
Db 324 GAGGAGTGTGTCAGCTGCCAGACACAAAGGTGGCTCTTCATGATCAGAGAGTGAG 383
Qy 125 ThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArg 144
Db 384 ACCAGAAAGGGTTTACTCACTGCTGGTGA-----CACAGGCAG 425
Qy 145 IleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeu 164
Db 426 GTAAAGCATTACCGATTTCCTGCTGCCGACAACTGGTACTACTATTCCTCCCGAGGCTC 485
Qy 165 ThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCys 184
Db 486 ACCTTCAGTGTGGAGACCTGGTGAACCACTATTCTGAGGTGGCTGATGGCTGTGC 545
Qy 185 CysLeuLeuLysGluProCysValLeuGlnArgAlaGlyProLeuProGlyLysAspIle 204
Db 546 TGTGTGCTCACCAGCCCTGCTGCACAAAGCAGCGCTGCCAGCAGTGGAGGCGCTCC 605
Qy 205 ProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeuAspSerSerLeu 224
Db 606 AGCTCACCTGTCCACCTTGGCTGAGAGACTGTGGACTGTGGAGAGAGTGTCCAGA----- 659
Qy 225 LeuPheSerGluAlaAlaThrGly-----GluGluSerLeuLeu 237
Db 660 ---CTGCAGGAGGACCCCGAGGAAACAGAGAACCGCTTGGGGTAGACGAGTCCCTTTTC 716
Qy 238 SerGluGlyLeuArgGluSerLeuSerPheTyrIleSerLeuAsnAspGlu 254
Db 717 AGCTATGGCTTCGAGAGAGCATTGCCTCTTACCTGTCTCCCTGACCAAGTGAG 767

RESULT 11
US-10-172-118-1312
; Sequence 1312, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1312
; LENGTH: 2665
; TYPE: DNA
; ORGANISM: Homo sapiens
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APPLICANT: Dai, Hongyue
APPLICANT: He, Yudong
APPLICANT: Linsley, Peter
APPLICANT: Mao, Mao
APPLICANT: Roberts, Chris
APPLICANT: Van 't Veer, Laura
APPLICANT: Van de Vijver, Marc
APPLICANT: Bernards, Rene
TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
FILE REFERENCE: 9301-175-999
CURRENT APPLICATION NUMBER: US/10/172,118
CURRENT FILING DATE: 2002-06-14
PRIORITY APPLICATION NUMBER: 60/380,770
PRIORITY FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 2699
SEQ ID NO 762
LENGTH: 2298
TYPE: DNA
ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: NM 002350
DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-762

Alignment Scores:
Pred. No.: 9,18e-33 Length: 2298
Score: 370.50 Matches: 80
Percent Similarity: 57.71% Conservative: 36
Best Local Similarity: 39.80% Mismatches: 76
Query Match: 27.38% Indels: 9
DB: 13 Gaps: 3

US-09-939-853A-75 (1-261) x US-10-172-118-762 (1-2298)

QY 6 SerArgLysSerLeuProSerProSerLeuSerSerValGlnGlyGlnGlyPro 25
Db 409 TCCAATAAACCAAGCCAGTCCAGAA---TCTCAGCTTTACCTGGACAGAGTTT 465
QY 26 ValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAla 45
Db 466 CAAACTAAGATCCAGAGGAAACAGGAGACATTTGTGTAGCTTTGTATCCCTATGATGCC 525
QY 46 GlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGluAsp 65
Db 526 ATCCACCCGACGACTTGTCTTTCAGAAAGGAGAGAGATGAAAGTCTCGAGGAGCAT 585
QY 66 GlyAspTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSerVal 85
Db 586 GAGATGTGTGAAGCAAGTCCCTTTTAAACAAAAAGAGAGCTTCATCCCGACCAAC 645
QY 86 HisValGlyLysVal-----SerHisGlyTrpLeuTyrGluGlyLeuSerArg 101
Db 646 TATGTGGCCAAACTCAACACCTTAGAAACAGAGAGTGTGTTTCAAGGATATTAACCCAGG 705
QY 102 GluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArg 121
Db 706 AAGGACGCAAGAGGAGCTTTTGGCACCAGGAATAGCGCTGGAGCTTCTTATTAGA 765
QY 122 GluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSer 141
Db 766 GAAAGTGAACATTAAGGAGGAGCTTCTCTGTCTGTCTCAGAGACTTTTGACCCCTGTGCAT 825
QY 142 TrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSer 161
Db 826 GGTGATGTTATTAAAGCACTACAAATTAGAAGTCTGGATATATGGGGCTATTACATCTCT 885
QY 162 ProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAsp 181
Db 886 CCACGATCATCTTTCCCTGTATCAGGACATGATTAACATTACCAAAAGCAGGACAT 945
QY 182 AspIleCysCysLeuLeuLysGluProCysValLeuGlnArgAlaGlyProLeuProGly 201
Db 946 GGCCTGTGCAGAGATTGGAGAGGCTTGATT-----AGTCCCAAGCCACAG 993

CURRENT FILING DATE: 2003-01-15
PRIORITY APPLICATION NUMBER: 60/298,918
PRIORITY FILING DATE: 2001-06-18
PRIORITY APPLICATION NUMBER: 60/380,710
PRIORITY FILING DATE: 2002-05-14
PRIORITY APPLICATION NUMBER: 10/172,118
PRIORITY FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 2699
SEQ ID NO 762
LENGTH: 2298
TYPE: DNA
ORGANISM: Homo sapiens
US-10-342-887-762

Alignment Scores:
Pred. No.: 9,18e-33 Length: 2298
Score: 370.50 Matches: 80
Percent Similarity: 57.71% Conservative: 36
Best Local Similarity: 39.80% Mismatches: 76
Query Match: 27.38% Indels: 9
DB: 13 Gaps: 3

US-09-939-853A-75 (1-261) x US-10-342-887-762 (1-2298)

QY 6 SerArgLysSerLeuProSerProSerLeuSerSerValGlnGlyGlnGlyPro 25
Db 409 TCCAATAAACCAAGCCAGTCCAGAA---TCTCAGCTTTACCTGGACAGAGTTT 465
QY 26 ValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAla 45
Db 466 CAAACTAAGATCCAGAGGAAACAGGAGACATTTGTGTAGCTTTGTATCCCTATGATGCC 525
QY 46 GlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGluAsp 65
Db 526 ATCCACCCGACGACTTGTCTTTCAGAAAGGAGAGAGATGAAAGTCTCGAGGAGCAT 585
QY 66 GlyAspTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSerVal 85
Db 586 GAGATGTGTGAAGCAAGTCCCTTTTAAACAAAAAGAGAGCTTCATCCCGACCAAC 645
QY 86 HisValGlyLysVal-----SerHisGlyTrpLeuTyrGluGlyLeuSerArg 101
Db 646 TATGTGGCCAAACTCAACACCTTAGAAACAGAGAGTGTGTTTCAAGGATATTAACCCAGG 705
QY 102 GluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArg 121
Db 706 AAGGACGCAAGAGGAGCTTTTGGCACCAGGAATAGCGCTGGAGCTTCTTATTAGA 765
QY 122 GluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSer 141
Db 766 GAAAGTGAACATTAAGGAGGAGCTTCTCTGTCTGTCTCAGAGACTTTGACCCCTGTGCAT 825
QY 142 TrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSer 161
Db 826 GGTGATGTTATTAAAGCACTACAAATTAGAAGTCTGGATATATGGGGCTATTACATCTCT 885
QY 162 ProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAsp 181
Db 886 CCACGATCATCTTTCCCTGTATCAGGACATGATTAACATTACCAAAAGCAGGACAT 945
QY 182 AspIleCysCysLeuLeuLysGluProCysValLeuGlnArgAlaGlyProLeuProGly 201
Db 946 GGCCTGTGCAGAGATTGGAGAGGCTTGATT-----AGTCCCAAGCCACAG 993

202 Lys 202
994 AAG 996

RESULT 14
US-10-172-118-762
Sequence 762, Application US/10172118
Publication No. US20030224374A1
GENERAL INFORMATION:

QY 202 Lys 202
Db 994 AAG 996

RESULT 15

US-10-175-523-50
; Sequence 50, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Leeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Pzithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/1J795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50
; LENGTH: 2298
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-175-523-50

Alignment Scores:

Pred. No.:	9.18e-33	Length:	2298
Score:	370.50	Matches:	80
Percent Similarity:	57.71%	Conservative:	36
Best Local Similarity:	39.80%	Mismatches:	76
Query Match:	27.38%	Indels:	9
DB:	15	Gaps:	3

US-09-939-853A-75 (1-261) x US-10-175-523-50 (1-2298)

QY 6 SerArgLysSerLeuProSerLeuSerSerValGlnGlyGlnGlyPro 25
Db 409 TCCAATAAACACCAAGGCCAGCTCCAGAA---TCTCAGCTTTTACCTGGACAGAGGTTT 465
QY 26 ValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAla 45
Db 466 CAAACTAAAGATCCAGAGGACAAAGAGACATTGGTAGCTTTGATCCCTATATGATGGC 525
QY 46 GlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGluAsp 65
Db 526 ATCCACCCGGAGCTTGTCTTCAAGAAAGAGAGAGATGAAGTCTCTGGAGAGCAT 585
QY 66 GlyAspTrpTrpThrValLeuSerGluValSerGlyArgGlyTyrAsnIleProSerVal 85
Db 586 GGAGAAATGGTGAAAGCAAGTCCCTTTTAAACAAAAAGAGGCTTCATCCCGAGCAAC 645
QY 86 HisValGlyLysVal-----SerHisGlyTyrLeuTyrGluGlyLeuSerArg 101
Db 646 TATGTGGCCAAACTCAACACCTTAGAACAGAGTGGTTTTTCAAGGATATAACCGG 705
QY 102 GluLysAlaGluLeuLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArg 121
Db 102

Search completed: July 25, 2004, 05:10:05
Job time : 491 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 14:02:18 ; Search time 2.81375 Seconds
(without alignments)
3944.566 Million cell updates/sec

Title: US-09-939-853A-140

Sequence: 1 ctggacaggttagggcttgg 20

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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- 2: /cgn2_6/ptodata/2/ina/5B COMB.seq:*
- 3: /cgn2_6/ptodata/2/ina/6A COMB.seq:*
- 4: /cgn2_6/ptodata/2/ina/6B COMB.seq:*
- 5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq:*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	15.2	76.0	303	4	US-09-489-039A-4299
3	15.2	76.0	1535	4	US-09-071-035-431
4	15.2	76.0	1803	4	US-09-071-035-429
5	15.2	76.0	2481	4	US-09-134-000C-3193
6	15.2	76.0	2611	4	US-09-620-312D-925
7	15.2	76.0	3614	4	US-09-221-013A-9
8	15.2	76.0	48974	3	US-08-920-422-17
9	14.8	74.0	534	4	US-09-621-976-14354
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21	14.8	74.0	2664	4	US-08-660-451A-1
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23	14.8	74.0	18994	1	US-08-459-586-4
24	14.8	74.0	18994	2	US-08-282-696-4
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27	14.2	71.0	998	4	US-09-671-317-191

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41 13.8 69.0 159 3 US-08-651-136C-47
42 13.8 69.0 159 4 US-08-229-911A-47
43 13.8 69.0 180 3 US-08-651-136C-69
44 13.8 69.0 180 4 US-09-229-911A-69
45 13.8 69.0 291 4 US-09-621-976-17092

ALIGNMENTS

RESULT 1

US-09-816-095-3

; Sequence 3, Application US/09816095

; Patent No. 6664084

; GENERAL INFORMATION:

; APPLICANT: GAN, Weinui

; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC

; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES

; FILE REFERENCE: CLO01147

; CURRENT APPLICATION NUMBER: US/09/816.095

; CURRENT FILING DATE: 2001-03-26

; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 99916

; TYPE: DNA

; ORGANISM: Human

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(99916)

; OTHER INFORMATION: n = A,T,C or G

US-09-816-095-3

Query Match 79.0%; Score 15.8; DB 4; Length 99916;
Best Local Similarity 89.5%; Pred. No. 86;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 TGGACAGGTTAGGGCTTTG 20

||||| ||||| ||||| |||||

Db 5532 TGGACAGATTAGGCTTTG 5550

RESULT 2

US-09-489-039A-4299/c

; Sequence 4299, Application US/09489039A

; Patent No. 6610836

; GENERAL INFORMATION:

; APPLICANT: Gary Breton et. al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 2709.2094001

; CURRENT APPLICATION NUMBER: US/09/489.039A

; CURRENT FILING DATE: 2000-01-27

; PRIOR APPLICATION NUMBER: US 60/117,747

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 14342

; SEQ ID NO 4299

; LENGTH: 303

; TYPE: DNA

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; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-4299

Query Match          76.0%; Score 15.2; DB 4; Length 303;
Best Local Similarity 85.0%; Pred. No. 69;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGGACAGGTTAGGCTTTG 20
DB 250 CTGCACAGGTCGAGCTTTG 231

RESULT 3
US-09-071-035-431
; Sequence 431, Application US/09071035
; Patent No. 6448043
; GENERAL INFORMATION:
; APPLICANT: Gil H. Choi
; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
; NUMBER OF SEQUENCES: 496
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,035
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: A. Anders Brookes
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB369P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 431:
; LENGTH: 1515 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-09-071-035-431

Query Match          76.0%; Score 15.2; DB 4; Length 1515;
Best Local Similarity 85.0%; Pred. No. 89;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGGACAGGTTAGGCTTTG 20
DB 430 CTGGACAGGTCGAGCTTTG 449

RESULT 4
US-09-071-035-429
; Sequence 429, Application US/09071035
; Patent No. 6448043
; GENERAL INFORMATION:
; APPLICANT: Gil H. Choi
; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
; NUMBER OF SEQUENCES: 496
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,035
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: A. Anders Brookes
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB369P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 431:
; LENGTH: 1515 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-09-071-035-431

Query Match          76.0%; Score 15.2; DB 4; Length 2481;
Best Local Similarity 85.0%; Pred. No. 97;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGGACAGGTTAGGCTTTG 20
DB 687 CTGCACAGGTCGAGCTTTG 706

RESULT 6
US-09-620-312D-925
```

```

; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,035
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: A. Anders Brookes
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB369P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 429:
; LENGTH: 1803 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-09-071-035-429

Query Match          76.0%; Score 15.2; DB 4; Length 1803;
Best Local Similarity 85.0%; Pred. No. 92;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGGACAGGTTAGGCTTTG 20
DB 690 CTGCACAGGTCGAGCTTTG 709

RESULT 5
US-09-134-000C-3193
; Sequence 3193, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 3193
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
US-09-134-000C-3193

Query Match          76.0%; Score 15.2; DB 4; Length 2481;
Best Local Similarity 85.0%; Pred. No. 97;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGGACAGGTTAGGCTTTG 20
DB 687 CTGCACAGGTCGAGCTTTG 706

RESULT 6
US-09-620-312D-925
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; NAME/KEY: CDS
; LOCATION: (217) .. (3411)
US-09-221-013A-9

Query Match          76.0%; Score 15.2; DB 4; Length 3614;
Best Local Similarity 85.0%; Pred. No. 1e+02; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGCACAGGTTAGGCTTTG 20
    | ||||| ||||| |||||
Db 1600 CAGGACATTTAGGCTTTG 1581

RESULT 8
US-08-920-422-17/c
; Sequence 17, Application US/08920422A
; Patent No. 6255473
; GENERAL INFORMATION:
; APPLICANT: Vitek, Michael P.
; APPLICANT: Mitsuda, No. 6255473iaki
; APPLICANT: Roses, Allen D.
; TITLE OF INVENTION: Presenilin-1 Gene Promoter
; FILE REFERENCE: VITEKPRESENTIN
; CURRENT APPLICATION NUMBER: US/08/920,422A
; CURRENT FILING DATE: 1997-08-29
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 48974
; TYPE: DNA
; ORGANISM: Mus musculus
US-08-920-422-17

Query Match          76.0%; Score 15.2; DB 3; Length 48974;
Best Local Similarity 85.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGCACAGGTTAGGCTTTG 20
    | ||||| ||||| |||||
Db 33769 CTGCCAGGATAGGCTGTG 33750

RESULT 9
US-09-621-976-14354/c
; Sequence 14354, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 14354
; LENGTH: 514
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 254
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-14354

Query Match          74.0%; Score 14.8; DB 4; Length 514;
Best Local Similarity 88.9%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GGACAGGTTAGGCTTTG 20
    | ||||| ||||| |||||
Db 311 GGACAGGTTAGGCTTGG 294

```

```
RESULT 10
US-08-466-589-1/c
; Sequence 1, Application US/08466589
; Patent No. 5837489
; GENERAL INFORMATION:
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Harpold, Michael M.
; TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
; RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClaim
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,589
; FILING DATE: June 5, 1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/028,031
; FILING DATE: March 8, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9950
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2068 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 166..1752
; US-08-466-589-1

Query Match 74.0%; Score 14.8; DB 2; Length 2068;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 3 GGACAGGTTAGGGCTTTG 20
Db 144 GGTCAAGTCAGGGCTTTG 127

RESULT 11
US-08-700-636-1/c
; Sequence 1, Application US/08700636
; Patent No. 5910582
; GENERAL INFORMATION:
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Harpold, Michael M.
; TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
; RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClaim
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,574
; FILING DATE: June 5, 1995
; CLASSIFICATION: 536
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; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/700,636
; FILING DATE: 16-JUL-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/028,031
; FILING DATE: 08-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E.
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: P41 9368
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-546-4737
; TELEFAX: 619-546-9392
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2068 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 166..1752
; US-08-700-636-1

Query Match 74.0%; Score 14.8; DB 2; Length 2068;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 3 GGACAGGTTAGGGCTTTG 20
Db 144 GGTCAAGTCAGGGCTTTG 127

RESULT 12
US-08-467-574-1/c
; Sequence 1, Application US/08467574
; Patent No. 6022704
; GENERAL INFORMATION:
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Harpold, Michael M.
; TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
; RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClaim
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,574
; FILING DATE: June 5, 1995
; CLASSIFICATION: 536
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FEATURE:
; NAME/KEY: CDS
; LOCATION: 166..1752
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-992-985-1

Search completed: July 24, 2004, 23:36:02
Job time : 4.81375 secs

Query Match 74.0%; Score 14.8; DB 4; Length 2068;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GGACAGGTTAGGGCTTTG 20
Db 144 GGTCAAGTCAGGGCTTTG 127

RESULT 15
US-08-496-855A-1/c
; Sequence 1, Application US/08496855A
; Patent No. 5801232
; GENERAL INFORMATION:
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Harpold, Michael M.
; TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
; TITLE OF INVENTION: RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/496,855A
; FILING DATE: 20-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/NOV-1993
; FILING DATE: 08-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/028,031
; FILING DATE: 08-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9369B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2077 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 166..1755
US-08-496-855A-1

Query Match 74.0%; Score 14.8; DB 1; Length 2277;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GGACAGGTTAGGGCTTTG 20
Db 144 GGTCAAGTCAGGGCTTTG 127

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 20:04:06 ; Search time 16.227 Seconds
(without alignments)
6024.889 Million cell updates/sec

Title: US-09-939-853A-140

Perfect score: 20

Sequence: 1 ctggacaggttaggctttg 20

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3216467 seqs, 2444149694 residues

Total number of hits satisfying chosen parameters: 6432934

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_NA.*

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- 3: /cgn2_6/ptodata/1/pubnpa/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/1/pubnpa/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/1/pubnpa/US07_NEW_PUB.seq.*
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- 8: /cgn2_6/ptodata/1/pubnpa/US08_PUBCOMB.seq.*
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- 18: /cgn2_6/ptodata/1/pubnpa/US60_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/1/pubnpa/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 3	20	100.0	763	9	US-09-867-550-953
C 4	20	100.0	854	10	US-09-814-353-21302
C 5	20	100.0	1183	13	US-09-939-853A-74
6	20	100.0	1183	13	US-09-939-853A-76
7	17.4	87.0	422	13	US-10-085-783A-25371
8	17.4	87.0	422	16	US-10-242-535A-25371
9	16.8	84.0	665	13	US-10-027-632-133814
10	16.8	84.0	665	16	US-10-027-632-133814
C 11	16.8	84.0	2305	16	US-10-094-749-795
C 12	16.8	84.0	2424	13	US-10-027-632-103042
C 13	16.8	84.0	2424	13	US-10-027-632-103043
C 14	16.8	84.0	2424	16	US-10-027-632-103042

C 15	16.8	84.0	2424	16	US-10-027-632-103043
C 16	16.8	84.0	3559	16	US-10-108-260A-502
C 17	16.8	84.0	44325	12	US-09-997-723-226
18	15.8	79.0	403	10	US-09-918-995-35904
19	15.8	79.0	467	10	US-09-918-995-37228
20	15.8	79.0	570	13	US-10-027-632-137211
21	15.8	79.0	570	16	US-10-027-632-137211
22	15.8	79.0	663	13	US-10-027-632-208024
23	15.8	79.0	663	16	US-10-027-632-208024
24	15.8	79.0	1152	10	US-09-882-227-295
25	15.8	79.0	1177	13	US-10-425-114-23026
26	15.8	79.0	1744	13	US-10-424-599-121358
27	15.8	79.0	1824	13	US-10-424-599-73670
28	15.8	79.0	4170	10	US-09-919-039-221
29	15.8	79.0	4170	15	US-10-168-425-23
30	15.8	79.0	4359	16	US-10-191-803-341
31	15.8	79.0	24032	14	US-10-094-679-1
32	15.8	79.0	99916	9	US-09-816-095-3
33	15.8	79.0	99916	13	US-10-634-905-3
C 34	15.4	77.0	358	17	US-10-437-963-28060
C 35	15.4	77.0	673	9	US-09-917-800A-1299
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37	15.4	77.0	761	16	US-10-027-632-144930
38	15.4	77.0	786	13	US-10-027-632-169995
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C 42	15.4	77.0	978	13	US-10-027-632-121171
C 43	15.4	77.0	978	13	US-10-027-632-121171
C 44	15.4	77.0	978	16	US-10-027-632-121171
C 45	15.4	77.0	978	16	US-10-027-632-121172

ALIGNMENTS

RESULT 1

US-09-939-853A-140
; Sequence 140, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 140
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide primer
US-09-939-853A-140

Query Match 100.0%; Score 20; DB 13; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGACACAGGTTAGGCTTTG 20

Db 1 CTGACACAGGTTAGGCTTTG 20

RESULT 2
US-09-867-550-951/c
; Sequence 951, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 951
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-951

Query Match 100.0%; Score 20; DB 9; Length 444;
Best Local Similarity 100.0%; Pred. No. 1.6; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGTTAGGGCTTTG 20
|||||
Db 60 CTGCACAGGTTAGGGCTTTG 41

RESULT 3
US-09-867-550-953/c
; Sequence 953, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-953

Query Match 100.0%; Score 20; DB 9; Length 763;
Best Local Similarity 100.0%; Pred. No. 1.6; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGTTAGGGCTTTG 20
|||||
Db 189 CTGCACAGGTTAGGGCTTTG 170

RESULT 4
US-09-814-353-21302/c
; Sequence 21302, Application US/09814353
; Publication No. US20030165831A1

; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lallie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MEI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21302
; LENGTH: 864
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 32, 862, 863, 864
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21302

Query Match 100.0%; Score 20; DB 10; Length 864;
Best Local Similarity 100.0%; Pred. No. 1.6; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGTTAGGGCTTTG 20
|||||
Db 353 CTGCACAGGTTAGGGCTTTG 334

RESULT 5
US-09-939-853A-74/c
; Sequence 74, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-74

Query Match 100.0%; Score 20; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 1.6; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 CTGGACAGGTTAGGGCTTTG 20
DB      301 CTGGACAGGTTAGGGCTTTG 282

; LOCATION: (406)..(406)
; OTHER INFORMATION: n is a, c, g, or t
US-10-085-783A-25371

Query Match      87.0%; Score 17.4; DB 13; Length 422;
Best Local Similarity 94.7%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CTGGACAGGTTAGGGCTTT 19
DB      61 CTGGAGAGGTTAGGGCTTT 79

RESULT 6
US-09-939-853A-76
; Sequence 76, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 76
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-76

Query Match      100.0%; Score 20; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CTGGACAGGTTAGGGCTTTG 20
DB      883 CTGGACAGGTTAGGGCTTTG 902

RESULT 7
US-10-085-783A-25371
; Sequence 25371, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liaw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25371
; LENGTH: 422
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (5)..(5)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (7)..(7)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (406)..(406)
; OTHER INFORMATION: n is a, c, g, or t
US-10-242-535A-25371

Query Match      87.0%; Score 17.4; DB 16; Length 422;
Best Local Similarity 94.7%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CTGGACAGGTTAGGGCTTT 19
DB      61 CTGGAGAGGTTAGGGCTTT 79

RESULT 8
US-10-242-535A-25371
; Sequence 25371, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liaw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25371
; LENGTH: 422
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (5)..(5)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (7)..(7)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (406)..(406)
; OTHER INFORMATION: n is a, c, g, or t
US-10-242-535A-25371

Query Match      87.0%; Score 17.4; DB 16; Length 422;
Best Local Similarity 94.7%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CTGGACAGGTTAGGGCTTT 19
DB      61 CTGGAGAGGTTAGGGCTTT 79

RESULT 9
US-10-027-632-133814
; Sequence 133814, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
```

```

; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/195,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 133814
; LENGTH: 665
; TYPE: DNA
; ORGANISM: Human
; ORGANISM: Human
US-10-027-632-133814

```

```

Query Match      84.0%; Score 16.8; DB 13; Length 665;
Best Local Similarity 90.0%; Pred. No. 73;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy 1 CTGCACAGGTTAGGGCTTTG 20
   ||||| ||||| ||||| |||||
Db 344 CTGCACAGGTTAGGGCTGTG 363

```

RESULT 10

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US-10-027-632-133814
; Sequence 133814, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCES: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/195,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 133814
; LENGTH: 665
; TYPE: DNA
; ORGANISM: Human
; ORGANISM: Human
US-10-027-632-133814

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```

Query Match      84.0%; Score 16.8; DB 16; Length 665;
Best Local Similarity 90.0%; Pred. No. 73;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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```

Qy 1 CTGCACAGGTTAGGGCTTTG 20
   ||||| ||||| ||||| |||||
Db 344 CTGCACAGGTTAGGGCTGTG 363

```

RESULT 11

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US-10-094-749-795/c
; Sequence 795, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEXI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 795
; LENGTH: 2305
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-795

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```

Query Match      84.0%; Score 16.8; DB 16; Length 2305;
Best Local Similarity 90.0%; Pred. No. 76;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy 1 CTGCACAGGTTAGGGCTTTG 20
   ||||| ||||| ||||| |||||
Db 2118 CTGCACAGTTTAGGGCTGTG 2099

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RESULT 12

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US-10-027-632-103042/c
; Sequence 103042, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCES: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720

```

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103042
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103042

Query Match      84.0%; Score 16.8; DB 13; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CTGCACAGGTTAGGGCTTTG 20
Db      1453 CTGCACAGTTTAGGGCTGTG 1434

RESULT 13
US-10-027-632-103043/c
; Sequence 103043, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103043
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103043

Query Match      84.0%; Score 16.8; DB 13; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CTGCACAGGTTAGGGCTTTG 20
Db      1453 CTGCACAGTTTAGGGCTGTG 1434

RESULT 14
US-10-027-632-103042/c
; Sequence 103042, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103043
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103043

Query Match      84.0%; Score 16.8; DB 13; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CTGCACAGGTTAGGGCTTTG 20
Db      1453 CTGCACAGTTTAGGGCTGTG 1434

RESULT 15
US-10-027-632-103043/c
; Sequence 103043, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103043
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103043

Query Match      84.0%; Score 16.8; DB 16; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CTGCACAGGTTAGGGCTTTG 20
Db      1453 CTGCACAGTTTAGGGCTGTG 1434

Search completed: July 25, 2004, 02:23:14
Job time : 18.227 secs
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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 14:02:18 ; Search time 3.65787 seconds
(without alignments)
3944.566 Million cell updates/sec

Title: US-09-939-853A-141

Perfect score: 26
Sequence: 1 cctctggaagtctgccagtgctctt 26

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/2/ina/5A_COMB.seq:*
- 2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*
- 3: /cgn2_6/prodata/2/ina/6A_COMB.seq:*
- 4: /cgn2_6/prodata/2/ina/6B_COMB.seq:*
- 5: /cgn2_6/prodata/2/ina/PTUS_COMB.seq:*
- 6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.8	72.3	423	2	US-08-797-689-11
2	18.8	72.3	423	4	US-09-984-186-11
3	18.8	72.3	600	4	US-09-101-272G-72
4	18.8	72.3	624	4	US-09-101-272G-79
5	18.8	72.3	645	4	US-09-101-272G-95
6	18.8	72.3	666	4	US-09-101-272G-97
7	18.8	72.3	1233	1	US-08-254-922-1
8	18.8	72.3	1233	1	US-08-286-748B-1
9	18.8	72.3	1236	1	US-07-957-039A-7
10	18.8	72.3	1236	1	US-08-153-799-17
11	18.8	72.3	1236	4	US-09-023-655-927
12	18.8	72.3	1372	6	5219569-1
13	18.8	72.3	1475	4	US-09-643-597-122
14	18.8	72.3	1475	4	US-08-480-884A-122
15	18.8	72.3	1475	4	US-09-542-615A-122
16	18.8	72.3	1475	4	US-09-606-421B-122
17	18.8	72.3	1475	4	US-09-221-107-122
18	18.8	72.3	2294	4	US-09-643-597-123
19	18.8	72.3	2294	4	US-09-480-884A-123
20	18.8	72.3	2294	4	US-09-542-615A-123
21	18.8	72.3	2294	4	US-09-606-421B-123
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23	18.8	72.3	2294	4	US-09-221-107-123
24	18.8	72.3	2301	6	5188829-2
25	17.8	68.5	9391	4	US-09-562-702A-11
26	17.8	68.5	9511	4	US-09-562-702A-9
27	17.6	67.7	273	4	US-09-313-294A-38

c	28	17.6	67.7	908	4	US-09-800-729-25	Sequence 25, Appl
	29	17.2	66.2	1335	1	US-07-942-157A-2	Sequence 2, Appl1
	30	17	65.4	274	4	US-09-313-294A-3335	Sequence 3335, Ap
	31	17	65.4	449	4	US-09-621-976-14601	Sequence 14601, A
	32	17	65.4	501	4	US-09-621-976-1584	Sequence 1584, Ap
	33	17	65.4	1001	4	US-09-641-638-285	Sequence 285, App
	34	17	65.4	3364	2	US-08-735-609-9	Sequence 9, Appl1
	35	17	65.4	3364	2	US-08-735-609-9	Sequence 9, Appl1
	36	17	65.4	3364	3	US-09-315-372-9	Sequence 9, Appl1
	37	17	65.4	3364	3	US-09-244-752-9	Sequence 9, Appl1
	38	17	65.4	3364	3	US-09-245-497-9	Sequence 9, Appl1
	39	17	65.4	3364	4	US-09-562-919-9	Sequence 9, Appl1
	40	17	65.4	8147	4	US-09-514-247A-9	Sequence 9, Appl1
	41	16.6	63.8	2157	1	US-08-336-618-25	Sequence 25, Appl
	42	16.6	63.8	2200	2	US-08-462-481-3	Sequence 3, Appl1
	43	16.6	63.8	2200	2	US-08-436-771-5	Sequence 5, Appl1
	44	16.6	63.8	2200	2	US-08-434-998-5	Sequence 5, Appl1
	45	16.6	63.8	2200	2	US-08-487-797-5	Sequence 5, Appl1

ALIGNMENTS

RESULT 1
US-08-797-689-11
; Sequence 11, Application US/08797689
; Patent No. 5878369
; GENERAL INFORMATION:
; APPLICANT: Fleer, Reinhard
; APPLICANT: Fournier, Alain
; APPLICANT: Guittou, Jean-Dominique
; APPLICANT: Jung, Gerard
; APPLICANT: Yeh, Patrice
; TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
; TITLE OF INVENTION: PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
; TITLE OF INVENTION: CONTAINING SAID POLYPEPTIDES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Road, 3C43
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Macintosh
; OPERATING SYSTEM: System 7.1
; SOFTWARE: Word 5.1 (patentin)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/797,689
; FILING DATE: 31-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/256,927
; FILING DATE: 28-JUL-1994
; APPLICATION NUMBER: FR 92/01064
; FILING DATE: 31-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/00085
; FILING DATE: 28-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith P.D., Julie K.
; REGISTRATION NUMBER: P-38,619
; REFERENCE/DOCKET NUMBER: ST92006-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610) 454-3839
; TELEFAX: (610) 454-3808
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 423 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double

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;
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..419
US-08-797-689-11

Query Match      72.3%; Score 18.8; DB 2; Length 423;
Best Local Similarity 90.9%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTCTT 26
   |||||
Db 230 CTGGAAGTCTGCCAGTGTCTCTT 251

RESULT 2
US-09-984-186-11
; Sequence 11, Application US/09984186
; Patent No. 6686179
; GENERAL INFORMATION:
; APPLICANT: Fleer, Reinhard
; Fournier, Alain
; Guitton, Jean-Dominique
; Jung, Gerard
; Yeh, Patrice
; TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
; PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
; CONTAINING SAID POLYPEPTIDES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Road, 3C43
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: System 7.1
; SOFTWARE: Word 5.1 (PatentIn)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/984,186
; FILING DATE: 29-Oct-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/797,689
; FILING DATE: 31-JAN-1997
; APPLICATION NUMBER: US 08/256,927
; FILING DATE: 28-JUL-1994
; APPLICATION NUMBER: FR 92/01064
; FILING DATE: 31-JAN-1992
; APPLICATION NUMBER: PCT/FR93/00085
; FILING DATE: 28-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: P-38,619
; REFERENCE/DOCKET NUMBER: ST92006-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610) 454-3839
; TELEFAX: (610) 454-3808
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 423 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..419
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
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US-09-984-186-11

Query Match      72.3%; Score 18.8; DB 4; Length 423;
Best Local Similarity 90.9%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTCTT 26
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Db 230 CTGGAAGTCTGCCAGTGTCTCTT 251

RESULT 3
US-09-101-272G-72
; Sequence 72, Application US/09101272G
; Patent No. 6509445
; GENERAL INFORMATION:
; APPLICANT: Nissin Food Products Co., Ltd.
; TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
; FILE REFERENCE: Q50979
; CURRENT APPLICATION NUMBER: US/09/101,272G
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: JP 1059/1996
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: ATF domain of uPA
; NAME/KEY: CDS
; LOCATION: (1)..(600)
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
; LOCATION: (61)..()
; OTHER INFORMATION:
US-09-101-272G-72

Query Match      72.3%; Score 18.8; DB 4; Length 600;
Best Local Similarity 90.9%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTCTT 26
   |||||
Db 279 CTGGAAGTCTGCCAGTGTCTCTT 300

RESULT 4
US-09-101-272G-79
; Sequence 79, Application US/09101272G
; Patent No. 6509445
; GENERAL INFORMATION:
; APPLICANT: Nissin Food Products Co., Ltd.
; TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
; FILE REFERENCE: Q50979
; CURRENT APPLICATION NUMBER: US/09/101,272G
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: JP 1059/1996
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 624
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ATFHI chimeric protein
; NAME/KEY: CDS
; LOCATION: (12)..(593)
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
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; NAME/KEY: mat_peptide
; LOCATION: (15)..()
; OTHER INFORMATION:
US-09-101-272G-95

Query Match          72.3%; Score 18.8; DB 4; Length 624;
Best Local Similarity 90.9%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCCCTT 26
Db 233 CTGGAAGTCTGCCAGTGTCCCTT 254

RESULT 5
US-09-101-272G-95
; Sequence 95, Application US/09101272G
; Patent No. 6509445
; GENERAL INFORMATION:
; APPLICANT: Nissin Food Products Co., Ltd.
; TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
; FILE REFERENCE: Q50979
; CURRENT APPLICATION NUMBER: US/09/101,272G
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: JP 1059/1996
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 95
; LENGTH: 645
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ATPHI-CL chimeric protein
; NAME/KEY: CDS
; LOCATION: (12)..(614)
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
; LOCATION: (15)..()
; OTHER INFORMATION:
US-09-101-272G-95

Query Match          72.3%; Score 18.8; DB 4; Length 645;
Best Local Similarity 90.9%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCCCTT 26
Db 233 CTGGAAGTCTGCCAGTGTCCCTT 254

RESULT 6
US-09-101-272G-97
; Sequence 97, Application US/09101272G
; Patent No. 6509445
; GENERAL INFORMATION:
; APPLICANT: Nissin Food Products Co., Ltd.
; TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
; FILE REFERENCE: Q50979
; CURRENT APPLICATION NUMBER: US/09/101,272G
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: JP 1059/1996
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 97
; LENGTH: 666
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ATPHI-ML chimeric protein
; NAME/KEY: CDS
; LOCATION: (12)..(635)
; OTHER INFORMATION:

; NAME/KEY: mat_peptide
; LOCATION: (15)..()
; OTHER INFORMATION:
US-09-101-272G-97

Query Match          72.3%; Score 18.8; DB 4; Length 666;
Best Local Similarity 90.9%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCCCTT 26
Db 233 CTGGAAGTCTGCCAGTGTCCCTT 254

RESULT 7
US-08-254-922-1
; Sequence 1, Application US/08254922
; Patent No. 5626841
; GENERAL INFORMATION:
; APPLICANT: Victor Gurewich
; TITLE OF INVENTION: USE OF INTRA-PLATELET
; TITLE OF INVENTION: UROKINASE-TYPE PLASMINOGEN
; TITLE OF INVENTION: ACTIVATORS FOR LONG-TERM
; TITLE OF INVENTION: INHIBITION OF THROMBOSIS
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/254,922
; FILING DATE: June 7, 1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/014,207
; FILING DATE: February 5, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: J. Peter Fasse
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET NUMBER: 04353/004002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1233
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-254-922-1

Query Match          72.3%; Score 18.8; DB 1; Length 1233;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCCCTT 26
Db 219 CTGGAAGTCTGCCAGTGTCCCTT 240

RESULT 8
US-08-286-748B-1
; Sequence 1, Application US/08286748B
; Patent No. 5759542
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GENERAL INFORMATION:
APPLICANT: Victor Gurewicz
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DELIVERY OF DRUGS BY PLATELETS FOR THE TREATMENT OF CARDIOVASCULAR AND OTHER DISEASES
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/286,748B
FILING DATE: August 5, 1994
CLASSIFICATION: 424
PRIOR APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: J. Peter Fasse
REGISTRATION NUMBER: 32,983
REFERENCE/DOCKET NUMBER: 04547/013001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1233
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-286-748B-1

Query Match 72.3%; Score 18.8; DB 1; Length 1233;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTT 26
|||||
DB 219 CTGGAAGTCTGCCAGTGTCTT 240

RESULT 9
US-07-957-039A-7
Sequence 7, Application US/07957039A
Patent No. 5389538
GENERAL INFORMATION:
APPLICANT: TANABE, TOSHIZUMI
APPLICANT: MORITA, KASANORI
APPLICANT: HIROSE, YASUO
TITLE OF INVENTION: MUTANT HUMAN PROUROKINASE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/957,039A
FILING DATE: 06-OCT-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 289257/1991
FILING DATE: 07-OCT-1991
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)293-7060
TELEFAX: (202)293-7860
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1236 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE: INDIVIDUAL ISOLATE: human
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1233
US-07-957-039A-7

Query Match 72.3%; Score 18.8; DB 1; Length 1236;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTT 26
|||||
DB 219 CTGGAAGTCTGCCAGTGTCTT 240

RESULT 10
US-08-153-799-17
Sequence 17, Application US/08153799
Patent No. 5768883
GENERAL INFORMATION:
APPLICANT: Ballance, David J
APPLICANT: Goodey, Andrew R
TITLE OF INVENTION: Polypeptides
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: R Hain Swope, BOC Health Care Inc
STREET: 100 Mountain Avenue
CITY: Murray Hill
STATE: New Jersey
COUNTRY: USA
ZIP: 07974
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,799
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/847975
FILING DATE: 06-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 8909916.2
FILING DATE: 29-APR-1989
PRIOR APPLICATION DATA: PCT/GB90/00650
FILING DATE: 26-APR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/775952
FILING DATE: 29-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Swope, R Hain

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;
; REGISTRATION NUMBER: 24864
; REFERENCE/DOCKET NUMBER: 92H832
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 665 2400
; TELEFAX: (908) 771 6159
; TELEX: 219484
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1236 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1236
; OTHER INFORMATION: /function= "human mature
; OTHER INFORMATION: urokinase-type plasminogen activator (uPA)"
; FEATURE:
; NAME/KEY: primer bind
; LOCATION: 13..47
; OTHER INFORMATION: /standard_name= "PCR primer binding
; OTHER INFORMATION: site"
; FEATURE:
; NAME/KEY: primer bind
; LOCATION: 376..418
; OTHER INFORMATION: /standard_name= "PCR primer binding
; OTHER INFORMATION: site"
;
; US-08-153-799-17
;
; Query Match 72.3%; Score 18.8; DB 1; Length 1236;
; Best Local Similarity 90.9%; Pred. No. 14;
; Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
; Qy 5 CTGGAAGTCTGCCAGTGTCCTT 26
; Db 219 CTGGAAGTCTGCCAGTGTCCTT 240
;
; RESULT 11
; US-09-023-655-927
; Sequence 927, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
```

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;
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 927:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1236 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: GI3111467
; US-09-023-655-927
;
; Query Match 72.3%; Score 18.8; DB 4; Length 1236;
; Best Local Similarity 90.9%; Pred. No. 14;
; Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
; Qy 5 CTGGAAGTCTGCCAGTGTCCTT 26
; Db 219 CTGGAAGTCTGCCAGTGTCCTT 240
;
; RESULT 12
; 5219569-1
; Patent No. 5219569
; APPLICANT: SLABER, MICHAEL; HEYNEKER, HERBERT L.; VEHAR,
; GORDON A.
; TITLE OF INVENTION: PROTEASE RESISTANT UROKINASE
; NUMBER OF SEQUENCES: 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/766,858
; FILING DATE: 16-AUG-1985
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 725,468
; FILING DATE: 22-APR-1985
; SEQ ID NO: 1
; LENGTH: 1372
; 5219569-1
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; Query Match 72.3%; Score 18.8; DB 6; Length 1372;
; Best Local Similarity 90.9%; Pred. No. 14;
; Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
; Qy 5 CTGGAAGTCTGCCAGTGTCCTT 26
; Db 355 CTGGAAGTCTGCCAGTGTCCTT 376
;
; RESULT 13
; US-09-643-597-122
; Sequence 122, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Far, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Baigur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
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; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 122
; LENGTH: 1475
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-643-597-122

Query Match 72.3%; Score 18.8; DB 4; Length 1475;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CTGGAAGTCTGCCAGTGTCTT 26
||||| ||||| ||||| ||||| |||||
Db 359 CTGGAAGTCTGCCAGTGTCTT 380

RESULT 14
US-09-480-884A-122
; Sequence 122, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Panger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 122
; LENGTH: 1475
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-480-884A-122

Query Match 72.3%; Score 18.8; DB 4; Length 1475;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CTGGAAGTCTGCCAGTGTCTT 26
||||| ||||| ||||| ||||| |||||
Db 359 CTGGAAGTCTGCCAGTGTCTT 380

RESULT 15
US-09-542-615A-122
; Sequence 122, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Panger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 122
; LENGTH: 1475
; TYPE: DNA
; ORGANISM: Homo sapien

US-09-542-615A-122

Query Match 72.3%; Score 18.8; DB 4; Length 1475;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CTGGAAGTCTGCCAGTGTCTT 26
||||| ||||| ||||| ||||| |||||
Db 359 CTGGAAGTCTGCCAGTGTCTT 380

Search completed: July 24, 2004, 23:36:03
Job time : 4.65787 secs

RESULT 2

US-09-867-550-951/c
; Sequence 951, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 951
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-951

Query Match 100.0%; Score 26; DB 9; Length 444;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTTCTGGAAGTCTGCCAGTGTCTT 26
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Db 35 CCTTCTGGAAGTCTGCCAGTGTCTT 10
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RESULT 3

US-09-867-550-953/c
; Sequence 953, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-953

Query Match 100.0%; Score 26; DB 9; Length 763;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTTCTGGAAGTCTGCCAGTGTCTT 26
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Db 164 CCTTCTGGAAGTCTGCCAGTGTCTT 139
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RESULT 4

US-09-814-353-21302/c
; Sequence 21302, Application US/09814353
; Publication No. US20030165831A1

GENERAL INFORMATION:

; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21302
; LENGTH: 864
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: 1, 2, 3, 32, 862, 863, 864
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21302

Query Match 100.0%; Score 26; DB 10; Length 864;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTTCTGGAAGTCTGCCAGTGTCTT 26
|||||
Db 328 CCTTCTGGAAGTCTGCCAGTGTCTT 303
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RESULT 5

US-09-939-853A-74/c
; Sequence 74, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-74

Query Match 100.0%; Score 26; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTTCTGGAAGTCTGCCAGTGTCCTT 26
|||
Db 276 CCTTCTGGAAGTCTGCCAGTGTCCTT 251

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RESULT 6
US-09-939-853A-76
; Sequence 76, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 76
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-76

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Query Match	100.0%	Score 26;	DB 13;	Length 1183;
Best Local Similarity	100.0%	Pred. No. 0.016;		
Matches 26;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy 1 CCTTCTGGAAGTCTGCCAGTGTCCTT 26
|||
Db 908 CCTTCTGGAAGTCTGCCAGTGTCCTT 933

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RESULT 7
US-10-027-632-195852
; Sequence 195852, Application US/10027632
; Publication NO. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108927.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 195852
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-195852

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```

Query Match      78.5%; Score 20.4; DB 13; Length 611;
Best Local Similarity 95.5%; Pred. No. 7.6;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      2      CTTCTGGAAGTCTGCCAGTGC 23
          |||||
Db      484    CTTCTGGAAGTCTGCCAGTGC 505

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RESULT 8
US-10-027-632-195852
; Sequence 195852, Application US/10027632
; Publication NO. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108927.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 195852
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-195852

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Query Match	78.5%	Score 20.4;	DB 16;	Length 611;
Best Local Similarity	95.5%;	Pred. No. 7.6;		
Matches 21;	Conservative	0;	Mismatches	1;
Indels	0;	Gaps		

QY 2 CTTCTGGAAGTCTGCCAGTGC 23
Db 484 CTTCTGGAAGTCTGCCAGTGC 505

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RESULT 9
US-10-437-963-60613/c
; Sequence 60613, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 60613
; LENGTH: 2826
; TYPE: DNA

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ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_62122C.1
US-10-437-963-60613

Query Match 77.7%; Score 20.2; DB 17; Length 2826;
Best Local Similarity 88.0%; Pred. No. 10;
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 CTTCTGGAAGTCTGCCAGTGCCTT 26
||||| ||||| ||||| ||||| |||||
DB 2386 CTTCTGGCAGTCTGCCAGTTCCT 2362

RESULT 10
US-10-424-999-2
; Sequence 2, Application US/10424999
; Publication No. US20040052810A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Cameron, Beatrice
; APPLICANT: Blanche, Francis
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Using them to Inhibit Angiogenesis
; FILE REFERENCE: ST01027-A
; CURRENT APPLICATION NUMBER: US/10/424,999
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: 10/233,675
; PRIOR FILING DATE: 2002-09-04
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human abrogen N43
US-10-424-999-2

Query Match 72.3%; Score 18.8; DB 13; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGCCTT 26
||||| ||||| ||||| ||||| |||||
DB 78 CTGGAAGTCTGCCAGTGCCTT 99

RESULT 11
US-10-424-999-6
; Sequence 6, Application US/10424999
; Publication No. US20040052810A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Cameron, Beatrice
; APPLICANT: Blanche, Francis
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Using them to Inhibit Angiogenesis
; FILE REFERENCE: ST01027-A
; CURRENT APPLICATION NUMBER: US/10/424,999
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: 10/233,675
; PRIOR FILING DATE: 2002-09-04
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human abrogen D43
US-10-424-999-6

Query Match 72.3%; Score 18.8; DB 13; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGCCTT 26
||||| ||||| ||||| ||||| |||||
DB 78 CTGGAAGTCTGCCAGTGCCTT 99

RESULT 12
US-10-424-999-8
; Sequence 8, Application US/10424999
; Publication No. US20040052810A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Cameron, Beatrice
; APPLICANT: Blanche, Francis
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Using them to Inhibit Angiogenesis
; FILE REFERENCE: ST01027-A
; CURRENT APPLICATION NUMBER: US/10/424,999
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: 10/233,675
; PRIOR FILING DATE: 2002-09-04
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human abrogen D43 and L74
US-10-424-999-8

Query Match 72.3%; Score 18.8; DB 13; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGCCTT 26
||||| ||||| ||||| ||||| |||||
DB 78 CTGGAAGTCTGCCAGTGCCTT 99

RESULT 13
US-10-233-675A-2
; Sequence 2, Application US/10233675A
; Publication No. US20030228298A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Fong, Timothy
; APPLICANT: Brockstedt, Dirk
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Them To Inhibit Angiogenesis
; FILE REFERENCE: ST01027
; CURRENT APPLICATION NUMBER: US/10/233,675A
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/316,300
; PRIOR FILING DATE: 2001-09-04
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: human derived abrogen
US-10-233-675A-2

Query Match 72.3%; Score 18.8; DB 15; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGCCTT 26

Job time : 22.0951 secs

Db 78 CTGGAAGTCTGCCACTGTCCTT 99
||||| ||||| ||||| |||||

RESULT 14
US-10-233-675A-6
; Sequence 6, Application US/10233675A
; Publication No. US20030228298A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Fong, Timothy
; APPLICANT: Brockstedt, Dirk
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Them To Inhibit Angiogenesis
; FILE REFERENCE: ST01027
; CURRENT APPLICATION NUMBER: US/10/233,675A
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/316,300
; PRIOR FILING DATE: 2001-09-04
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: human derived abrogen
US-10-233-675A-6

Query Match 72.3%; Score 18.8; DB 16; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTT 26
||||| ||||| ||||| |||||
Db 78 CTGGAAGTCTGCCACTGTCCTT 99

RESULT 15
US-10-233-675A-8
; Sequence 8, Application US/10233675A
; Publication No. US20030228298A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Fong, Timothy
; APPLICANT: Brockstedt, Dirk
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Them To Inhibit Angiogenesis
; FILE REFERENCE: ST01027
; CURRENT APPLICATION NUMBER: US/10/233,675A
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/316,300
; PRIOR FILING DATE: 2001-09-04
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: human derived abrogen
US-10-233-675A-8

Query Match 72.3%; Score 18.8; DB 16; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTT 26
||||| ||||| ||||| |||||
Db 78 CTGGAAGTCTGCCACTGTCCTT 99

Search completed: July 25, 2004, 02:23:15

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 14:02:18 ; Search time 3.09512 Seconds
(without alignments)
3944.566 Million cell updates/sec

Title: US-09-939-853A-142

Perfect score: 22

Sequence: 1 tgaagagagttctgggtgtccta 22

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	16.4	74.5	1273	3	US-08-725-758A-3
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4	16.2	73.6	618	2	US-09-621-976-788
5	16.2	73.6	2713	2	US-08-916-901-6
6	16.2	73.6	2713	4	US-09-154-602-6
7	15.8	71.8	274	4	US-09-313-294A-5461
8	15.8	71.8	283	4	US-09-313-294A-4815
9	15.8	71.8	288	4	US-09-313-294A-809
10	15.8	71.8	288	4	US-09-313-294A-2911
11	15.8	71.8	835	4	US-09-833-381-1328
12	15.8	71.8	2061	4	US-09-653-839-7
13	15.8	71.8	2109	4	US-09-653-839-5
14	15.8	71.8	2172	4	US-09-653-839-3
15	15.8	71.8	2220	4	US-09-653-839-1
16	15.8	71.8	2353	4	US-09-622-880B-2
17	15.8	71.8	2806	4	US-09-653-839-9
18	15.8	71.8	3138	4	US-09-622-880B-16
19	15.6	70.9	291	4	US-09-313-294A-6747
20	15.6	70.9	331	4	US-09-621-976-11814
21	15.6	70.9	331	4	US-09-621-976-11984
22	15.6	70.9	344	4	US-09-621-976-12361
23	15.6	70.9	344	4	US-09-621-976-12361
24	15.6	70.9	7400	1	US-07-674-852-1
25	15.6	70.9	7400	3	US-08-473-185-1
26	15.6	70.9	7400	3	US-09-171-387-3
27	15.6	70.9	9573	4	US-09-220-132-168

28	15.4	70.0	2972	2	US-08-720-484A-3	Sequence 3, Appli	
29	15.4	70.0	2972	3	US-08-953-823A-3	Sequence 3, Appli	
30	15.4	70.0	2972	4	US-09-398-239-3	Sequence 3, Appli	
31	15.4	70.0	2972	4	US-09-560-876A-3	Sequence 3, Appli	
c	32	15.4	3301	4	US-09-148-545-66	Sequence 66, Appli	
33	15.2	69.1	747	4	US-08-630-915A-39	Sequence 39, Appli	
c	34	15.2	69.1	1167	4	US-09-679-686B-9	Sequence 9, Appli
c	35	15.2	69.1	1472	1	US-08-123-161A-9	Sequence 9, Appli
c	36	15.2	69.1	1472	1	US-08-483-278-9	Sequence 9, Appli
c	37	15.2	69.1	1558	4	US-09-133-030-7	Sequence 7, Appli
c	38	15.2	69.1	2389	3	US-08-691-563C-52	Sequence 52, Appli
c	39	15.2	69.1	2389	4	US-09-374-766-52	Sequence 52, Appli
c	40	15.2	69.1	2389	4	US-08-979-847B-48	Sequence 48, Appli
c	41	15.2	69.1	2464	4	US-09-620-312D-448	Sequence 448, App
c	42	15.2	69.1	2584	3	US-08-758-662-8	Sequence 8, Appli
c	43	15.2	69.1	2873	4	US-08-630-915A-193	Sequence 193, App
c	44	15.2	69.1	2905	4	US-09-595-684B-24	Sequence 24, Appli
c	45	15.2	69.1	3051	4	US-09-409-604-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-489-039A-3698
; Sequence 3698, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Bzeton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 3698
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-3698

Query Match 78.2%; Score 17.2; DB 4; Length 1245;
Best Local Similarity 86.4%; Pred. No. 30;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTCTCTA 22
DB 800 TGAGCGATTTCTGGATCTCTA 821

RESULT 2
US-08-725-758A-3
; Sequence 3, Application US/08725758A
; Patent No. 6160108
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy
; APPLICANT: Clement, Christophe Y.
; TITLE OF INVENTION: NOVEL PLATELET ACTIVATION PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/725,758A
; FILING DATE: 04-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,074
; FILING DATE: 06-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Fraser, Janis K.
; REGISTRATION NUMBER: 34,819
; REFERENCE/DOCKET NUMBER: 05433/020001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1273 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 44...1273
; US-08-725-758A-3

Query Match 74.5%; Score 16.4; DB 3; Length 1273;
Best Local Similarity 94.4%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTCT 18
DB 372 TGAGAGAGTTCCGGGTCT 389

RESULT 3
US-08-725-758A-1
; Sequence 1, Application US/08725758A
; Patent No. 6160108
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy
; APPLICANT: Clement, Christophe Y.
; TITLE OF INVENTION: NOVEL PLATELET ACTIVATION PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/725,758A
; FILING DATE: 04-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,074
; FILING DATE: 06-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Fraser, Janis K.
; REGISTRATION NUMBER: 34,819
; REFERENCE/DOCKET NUMBER: 05433/020001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1373 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 44...1321
; US-08-725-758A-1

Query Match 74.5%; Score 16.4; DB 3; Length 1373;
Best Local Similarity 94.4%; Pred. No. 72;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTCT 18
DB 372 TGAGAGAGTTCCGGGTCT 389

RESULT 4
US-09-621-976-788/c
; Sequence 788, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 788
; LENGTH: 618
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 306..617
; US-09-621-976-788

Query Match 73.6%; Score 16.2; DB 4; Length 618;
Best Local Similarity 85.7%; Pred. No. 83;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTGTCT 21
DB 540 TCAGAGGGTTCTCGGTGTCT 520

RESULT 5
US-08-916-901-6
; Sequence 6, Application US/08916901
; Patent No. 5892012
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Corley, Neil C.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: RAB PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
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Query Match      73.8%; Score 16.2; DB 4; Length 2713;
Best Local Similarity 85.7%; Pred.No.96;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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DB      2401 TGAGTGAGTTTGGAGTCTCT 2421

RESULT 7
US-09-313-294A-5461/c
; Sequence 5461, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 5461
; LENGTH: 274
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700350185H1
US-09-313-294A-5461

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? NAME/KEY: misc feature
? OTHER INFORMATION: Incyte ID No. 6476212 700350185H1
US-09-313-294A-5461

Query Match 71.8%; Score 15.8; DB 4; Length 274;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTGTC 19
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Db 36 TGATAGAGTTCTGGGTGGC 18

RESULT 8
US-09-313-294A-4815/c
; Sequence 4815, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura I.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 4815
; LENGTH: 283
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700349077H1
; NAME/KEY: unsure
; LOCATION: 14, 132
; OTHER INFORMATION: a, t, c, g, or other
US-09-313-294A-4815

Query Match 71.8%; Score 15.8; DB 4; Length 283;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OV 1 TGAGAGAGTTCTGGGTGTC 19

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Db      259 TGATAGATTCTGGGTGC 241
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RESULT 9
US-09-313-294A-809/c
; Sequence 809, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 809
; LENGTH: 288
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700549871H1
US-09-313-294A-809

Query Match      71.8%; Score 15.8; DB 4; Length 288;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 TGAGAGATTCTGGGTGC 19
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Db      287 TGATAGATTCTGGGTGC 269
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RESULT 10
US-09-313-294A-2911/c
; Sequence 2911, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 2911
; LENGTH: 288
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700553476H1
US-09-313-294A-2911

Query Match      71.8%; Score 15.8; DB 4; Length 288;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 TGAGAGATTCTGGGTGC 19
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Db      260 TGATAGATTCTGGGTGC 242
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RESULT 11
US-09-833-381-1328
; Sequence 1328, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1328
; LENGTH: 835
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-381-1328

Query Match      71.8%; Score 15.8; DB 4; Length 835;
Best Local Similarity 89.5%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      3 AGAGATTCTGGGTGCCT 21
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Db      755 AGACAGTTCTGGTTGCTCT 773
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RESULT 12
US-09-653-839-7
; Sequence 7, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6433153el Human Calcium Dependent Proteases
; FILE REFERENCE: LEX-0038-USA
; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 2061
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-653-839-7

Query Match      71.8%; Score 15.8; DB 4; Length 2061;
Best Local Similarity 89.5%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      4 GAGAGTTCTGGGTGCCTA 22
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Db      956 GGGAGTTCTGGATGCTCTA 974
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RESULT 13
US-09-653-839-5
; Sequence 5, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6433153el Human Calcium Dependent Proteases
; FILE REFERENCE: LEX-0038-USA
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; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2109
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-653-839-5
Query Match      71.8%; Score 15.8; DB 4; Length 2109;
Best Local Similarity 89.5%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 GAGAGTTCTGGGTGTCCTA 22
Db      956 GGGAGTTCGGATGCCTA 974
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RESULT 14
US-09-653-839-3
; Sequence 3, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6433153el Human Calcium Dependent Proteases
; TITLE OF INVENTION: and Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0038-USA
; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2172
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-653-839-3
Query Match      71.8%; Score 15.8; DB 4; Length 2172;
Best Local Similarity 89.5%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 GAGAGTTCTGGGTGTCCTA 22
Db      1067 GGGAGTTCGGATGCCTA 1085
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RESULT 15
US-09-653-839-1
; Sequence 1, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6433153el Human Calcium Dependent Proteases
; TITLE OF INVENTION: and Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0038-USA
; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
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OM nucleic - nucleic search, using sw model

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Title: US-09-939-853A-142

Perfect score: 22

Sequence: 1 TGAGAGAGTTCTGGGTGTCCTA 22

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Maximum Match 100%

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- 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

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SUMMARIES

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4	22	100.0	1183	13	US-09-939-853A-76
5	20.4	92.7	763	9	US-09-867-550-953
6	17.8	80.9	2064	16	US-10-108-260A-1362
7	17.8	80.9	57347	17	US-10-322-281-317
8	17.4	79.1	2442	13	US-10-336-472-121
9	17.4	79.1	2442	16	US-10-080-334-85
10	17.4	79.1	2466	16	US-10-159-563-396
11	17.4	79.1	2469	13	US-10-336-472-123
12	17.4	79.1	2789	16	US-10-274-639-22
13	17.4	79.1	2789	17	US-10-333-574-22
14	17.4	79.1	3327	13	US-10-116-802-87

15	17.2	78.2	545	13	US-10-027-632-284738	Sequence 284738,
16	17.2	78.2	545	16	US-10-027-633-284738	Sequence 284738,
17	17.2	78.2	641	13	US-10-027-632-131511	Sequence 131511,
18	17.2	78.2	641	16	US-10-027-632-131511	Sequence 131511,
19	17.2	78.2	904	13	US-10-027-632-131512	Sequence 131512,
20	17.2	78.2	904	16	US-10-027-632-131512	Sequence 131512,
21	17.2	78.2	1163	13	US-10-282-122A-17180	Sequence 37180, A
22	17.2	78.2	1163	16	US-10-282-122A-38989	Sequence 38988, A
23	17.2	78.2	1182	13	US-10-282-122A-39447	Sequence 39447, A
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25	16.8	76.4	791	13	US-10-425-114-35777	Sequence 35777, A
26	16.8	76.4	2394	16	US-10-104-047-1043	Sequence 1043, Ap
27	16.8	76.4	301692	16	US-10-428-487-11	Sequence 11, Appl
28	16.4	74.5	831	13	US-10-425-114-17685	Sequence 17685, A
29	16.4	74.5	1191	16	US-10-264-237-915	Sequence 915, App
30	16.4	74.5	1357	10	US-09-890-688-85	Sequence 85, Appl
31	16.4	74.5	1621	9	US-09-729-674-171	Sequence 171, Appl
32	16.4	74.5	2200	16	US-10-108-260A-1744	Sequence 1744, Ap
33	16.4	74.5	2230	13	US-10-425-114-9753	Sequence 9753, Ap
34	16.4	74.5	2560	13	US-10-424-599-130837	Sequence 130837,
35	16.4	74.5	3128	10	US-09-919-039-373	Sequence 373, App
36	16.4	74.5	3128	15	US-10-101-510-583	Sequence 583, App
37	16.4	74.5	27684	16	US-10-034-650-28	Sequence 814, Appl
38	16.4	74.5	49589	17	US-10-322-281-814	Sequence 1648, Ap
39	16.4	74.5	53021	13	US-10-087-193-1648	Sequence 17034, A
40	16.2	73.6	179	15	US-10-029-386-17034	Sequence 19880, A
41	16.2	73.6	279	15	US-10-029-386-19880	Sequence 19936, A
42	16.2	73.6	294	9	US-09-864-761-19936	Sequence 9356, Ap
43	16.2	73.6	297	9	US-09-796-892-9356	Sequence 9356, Ap
44	16.2	73.6	297	15	US-10-040-862-9356	Sequence 9356, Ap
45	16.2	73.6	297	16	US-10-057-475B-9356	Sequence 9356, Ap

ALIGNMENTS

RESULT 1

US-09-939-853A-142
; Sequence 142, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:

; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patent in ver. 2.1
; SEQ ID NO 142
; LENGTH: 22

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide primer
US-09-939-853A-142

Query Match 100.0%; Score 22; DB 13; Length 22;
Best Local Similarity 100.0%; Pred. No. 0.47;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTGTCCTA 22

Db 1 TGAGAGAGTTCTGGGTGTCCTA 22

RESULT 2

US-09-814-353-21302
; Sequence 21302, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21302
; LENGTH: 864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 32, 862, 863, 864
; OTHER INFORMATION: n = A,T,C or G

US-09-814-353-21302

Query Match 100.0%; Score 22; DB 10; Length 864;
Best Local Similarity 100.0%; Pred. No. 0.46; Indels 0; Gaps 0;
Matches 22; Conservative 0; Mismatches 0;

QY 1 TGAGAGAGTTCTGGGTGTCCTA 22
|||||
DB 276 TGAGAGAGTTCTGGGTGTCCTA 297

RESULT 3

US-09-939-853A-74
; Sequence 74, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-939-853A-74

US-09-939-853a-142.rnpb

Query Match 100.0%; Score 22; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0.46; Indels 0; Gaps 0;
Matches 22; Conservative 0; Mismatches 0;

QY 1 TGAGAGAGTTCTGGGTGTCCTA 22
|||||
DB 224 TGAGAGAGTTCTGGGTGTCCTA 245

RESULT 4

US-09-939-853A-76/c
; Sequence 76, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 76
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-939-853A-76

Query Match 100.0%; Score 22; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0.46; Indels 0; Gaps 0;
Matches 22; Conservative 0; Mismatches 0;

QY 1 TGAGAGAGTTCTGGGTGTCCTA 22
|||||
DB 960 TGAGAGAGTTCTGGGTGTCCTA 939

RESULT 5

US-09-867-550-953
; Sequence 953, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-867-550-953

Query Match 92.7%; Score 20.4; DB 9; Length 763;
Best Local Similarity 95.5%; Pred. No. 2.8; Indels 1; Gaps 0;
Matches 21; Conservative 0; Mismatches 0;

QY 1 TGAGAGAGTCTGGGTGCTCTA 22
Db 112 TGAGAGAGTCTGGGTGCTCTA 133

RESULT 6

US-10-108-260A-1362/c
; Sequence 1362, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20040005560A1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: Patentin ver. 2.1
; SEQ ID NO 1362
; LENGTH: 2064
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-1362

Query Match 80.9%; Score 17.8; DB 16; Length 2064;
Best Local Similarity 90.5%; Pred. No. 54;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGAGAGAGTCTGGGTGCTCT 21
Db 159 TGAGAGAGTCTGGGTGCTCT 139

RESULT 7

US-10-322-281-317
; Sequence 317, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 317
; LENGTH: 57347
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(57347)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-281-317

Query Match 80.9%; Score 17.8; DB 17; Length 57347;
Best Local Similarity 90.5%; Pred. No. 54;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGAGAGAGTCTGGGTGCTCT 21
Db 19344 TGAGAGAGTCTGGGAGCCCT 19364

RESULT 8

US-10-336-472-121
; Sequence 121, Application US/10336472
; Publication No. US20040043929A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David W.
; APPLICANT: Ballinger, Robert A.
; APPLICANT: Baumgartner, Jason C.

; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Chant, John S.
; APPLICANT: Berghs, Constance
; APPLICANT: Gangolli, Bsha A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Ellerman, Karen
; APPLICANT: Furtak, Katarzyna
; APPLICANT: Gerlach, Valerie
; APPLICANT: Gilbert, Jennifer A.
; APPLICANT: Gunther, Erik
; APPLICANT: Gorman, Linda
; APPLICANT: Guo, Xiaojia Sasha
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Liu, Xiaohong
; APPLICANT: Miller, Charles E.
; APPLICANT: Millet, Isabelle
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: MacDougall, John R.
; APPLICANT: Mishra, Vishnu
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Smithson, Glennda
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Stone, David J.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Ort, Tatiana
; APPLICANT: Taupier Jr, Raymond J.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Wolenc, Adam R.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-533C
; CURRENT APPLICATION NUMBER: US/10/336,472
; CURRENT FILING DATE: 2003-01-03
; PRIOR APPLICATION NUMBER: 09/746,491
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 10/005,041
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/023,681
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 10/024,212
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 10/055,569
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 10/080,334
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/092,900
; PRIOR FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: 10/136,826
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: 10/236,417
; PRIOR FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 60/345,092
; PRIOR FILING DATE: 2002-01-04
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 230
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 121
; LENGTH: 2442
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (77)...(2395)
US-10-336-472-121

Query Match 79.1%; Score 17.4; DB 13; Length 2442;
Best Local Similarity 94.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GAGAGTTCTGGGTGTCCTA 22
|||||
Db 1116 GAGAGTTCTGGATGTCCTA 1134

RESULT 9

US-10-080-334-85
; Sequence 85, Application US/10080334
; Publication No. US20040002584A1
; GENERAL INFORMATION:
; APPLICANT: Pena, Carol E. A.
; APPLICANT: Shimkets, Richard A
; APPLICANT: Li, Li
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Vernet, Corine A. M.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Gusev, Vladimir Y
; APPLICANT: Casman, Stacie J
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Furtak, Katarzyna
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Patturajan, Meera
; APPLICANT: Gangolli, Esha A
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Liu, Xiaohong
; APPLICANT: Baumgartner, Jason C.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spaderna, Steven K
; APPLICANT: Zerhusen, Bryan D
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE OF INVENTION: Using the Same
; FILE REFERENCE: 21402-275
; CURRENT APPLICATION NUMBER: US/10/080,334
; CURRENT FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 60/270,523
; PRIOR FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: 60/322,712
; PRIOR FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: 60/311,980
; PRIOR FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 60/330,307
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/278,796
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/281,521
; PRIOR FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 60/276,677
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/311,595
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/270,220
; PRIOR FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: 60/274,295
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/318,526
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/286,548
; PRIOR FILING DATE: 2001-04-25
; PRIOR APPLICATION NUMBER: 60/291,765
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: 60/270,797
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/276,400
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/270,810
; PRIOR FILING DATE: 2001-02-23

; NUMBER OF SEQ ID NOS: 388
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 85
; LENGTH: 2442
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-080-334-85

Query Match 79.1%; Score 17.4; DB 16; Length 2442;
Best Local Similarity 94.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GAGAGTTCTGGGTGTCCTA 22
|||||
Db 1116 GAGAGTTCTGGATGTCCTA 1134

RESULT 10

US-10-159-563-396
; Sequence 396, Application US/10159563
; Publication No. US20040009154A1
; GENERAL INFORMATION:
; APPLICANT: Khan, Javed
; APPLICANT: Ringner, Markus
; APPLICANT: Peterson, Carsten
; APPLICANT: Meltzer, Paul
; TITLE OF INVENTION: SELECTIONS OF GENES AND METHODS OF USING THE SAME FOR
; FILE REFERENCE: 11613.56US11
; CURRENT APPLICATION NUMBER: US/10/159,563
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: US 10/133,937
; PRIOR FILING DATE: 2002-04-25
; NUMBER OF SEQ ID NOS: 444
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 396
; LENGTH: 2466
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-159-563-396

Query Match 79.1%; Score 17.4; DB 16; Length 2466;
Best Local Similarity 94.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GAGAGTTCTGGGTGTCCTA 22
|||||
Db 1184 GAGAGTTCTGGATGTCCTA 1202

RESULT 11

US-10-336-472-123
; Sequence 123, Application US/10336472
; Publication No. US20040043929A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David W.
; APPLICANT: Ballinger, Robert A.
; APPLICANT: Baumgartner, Jason C.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Chant, John S.
; APPLICANT: Berghs, Constance
; APPLICANT: Gangolli, Esha A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Ellerman, Karen
; APPLICANT: Furtak, Katarzyna
; APPLICANT: Gerlach, Valerie
; APPLICANT: Gilbert, Jennifer A.
; APPLICANT: Gunther, Erik
; APPLICANT: Gorman, Linda
; APPLICANT: Guo, Xiaojia Sasha
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li

```
; APPLICANT: Liu, Xiaohong
; APPLICANT: Miller, Charles E.
; APPLICANT: Millet, Isabelle
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: MacDougall, John R.
; APPLICANT: Mishra, Vishnu
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Smithson, Glennda
; APPLICANT: Spylek, Kimberly A.
; APPLICANT: Stone, David J.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Ort, Tatiana
; APPLICANT: Taupier Jr, Raymond J.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Wolenc, Adam R.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-533C
; CURRENT APPLICATION NUMBER: US/10/336,472
; PRIOR FILING DATE: 2003-01-03
; PRIOR APPLICATION NUMBER: 09/746,491
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 10/005,041
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/023,681
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 10/024,212
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 10/055,569
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 10/080,334
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/092,900
; PRIOR FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: 10/136,826
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: 10/236,417
; PRIOR FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 60/345,092
; PRIOR FILING DATE: 2002-01-04
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 230
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 123
; LENGTH: 2469
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2463)
; US-10-336-472-123

Query Match          79.1%; Score 17.4; DB 13; Length 2469;
Best Local Similarity 94.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GAGAGTTCTGGTGTCCTA 22
Db      1184 GAGAGTTCTGGATGTCCTA 1202
|||||
RESULT 12
US-10-274-639-22
; Sequence 22, Application US/10274639
; Publication No. US20030232349A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: DELEGANE, Angelo M.; GANDHI, Ameena R.
; APPLICANT: HAPALIA, April J.A.; LU, Dyung Aina M.
; APPLICANT: ARVIZU, Chandra S.; TRIBOULEY, Catherine M.
; APPLICANT: DAS, Debopriya; KALLICK, Deborah A.
; APPLICANT: NGUYEN, Dannel B.; LEE, Ernestine A.
; APPLICANT: KHAN, Farrah A.; YUE, Henry
; APPLICANT: AU-YOUNG, Janice K.; GRIFFIN, Jennifer A.
; APPLICANT: POLICKY, Jennifer L.; RAMKUMAR, Jayalaxmi
; APPLICANT: YANG, Junning; THANGAVELU, Kavitha
; APPLICANT: DING, Li; KEARNEY, Liam
; APPLICANT: BAUGHN, Marian R.; BOROWSKY, Mark L.
; APPLICANT: TANG, Y. Tom; ELLIOTT, Vicki S.
; TITLE OF INVENTION: PROTEASES
; FILE REFERENCE: PI-0167 USA
; CURRENT APPLICATION NUMBER: US/10/274,639
; CURRENT FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US01/22397
; PRIOR FILING DATE: 2000-07-21
; PRIOR APPLICATION NUMBER: US 60/220,063
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/221,680
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,544
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: US 60/225,988
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 60/227,568
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PERL Program
; SEQ ID NO 22
; LENGTH: 2789
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030232349A1 515802CB1
; US-10-274-639-22
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```
; APPLICANT: DELEGANE, Angelo M.; GANDHI, Ameena R.
; APPLICANT: HAPALIA, April J.A.; LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra; TRIBOULEY, Catherine M.
; APPLICANT: DAS, Debopriya; KALLICK, Deborah A.
; APPLICANT: NGUYEN, Dannel B.; LEE, Ernestine A.
; APPLICANT: KHAN, Farrah A.; YUE, Henry
; APPLICANT: AU-YOUNG, Janice K.; GRIFFIN, Jennifer A.
; APPLICANT: POLICKY, Jennifer L.; RAMKUMAR, Jayalaxmi
; APPLICANT: YANG, Junning; THANGAVELU, Kavitha
; APPLICANT: DING, Li; KEARNEY, Liam
; APPLICANT: BAUGHN, Marian R.; BOROWSKY, Mark L.
; APPLICANT: SANJANWALA, Madhusudan M.; YAO, Monique G.
; APPLICANT: BURFORD, Neil; WALIA, Narinder K.
; APPLICANT: LAL, Preeti G.; LEE, Sally
; APPLICANT: TODD, Stephen; LO, Terence P.
; APPLICANT: TANG, Y. Tom; ELLIOTT, Vicki S.
; TITLE OF INVENTION: PROTEASES
; FILE REFERENCE: PI-0167 USA
; CURRENT APPLICATION NUMBER: US/10/274,639
; CURRENT FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US01/22397
; PRIOR FILING DATE: 2000-07-21
; PRIOR APPLICATION NUMBER: US 60/220,063
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/221,680
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,544
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: US 60/225,988
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 60/227,568
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PERL Program
; SEQ ID NO 22
; LENGTH: 2789
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030232349A1 515802CB1
; US-10-274-639-22

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; Sequence 22, Application US/10333574
; Publication No. US20040091962A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: DELEGANE, Angelo M.; GANDHI, Ameena R.
; APPLICANT: HAPALIA, April J.A.; LU, Dyung Aina M.
; APPLICANT: ARVIZU, Chandra S.; TRIBOULEY, Catherine M.
; APPLICANT: DAS, Debopriya; KALLICK, Deborah A.
; APPLICANT: NGUYEN, Dannel B.; LEE, Ernestine A.
; APPLICANT: KHAN, Farrah A.; YUE, Henry
; APPLICANT: AU-YOUNG, Janice K.; GRIFFIN, Jennifer A.
; APPLICANT: POLICKY, Jennifer L.; RAMKUMAR, Jayalaxmi
; APPLICANT: YANG, Junning; THANGAVELU, Kavitha
; APPLICANT: DING, Li; KEARNEY, Liam
; APPLICANT: BAUGHN, Marian R.; BOROWSKY, Mark L.
; APPLICANT: SANJANWALA, Madhusudan M.; YAO, Monique G.
```

APPLICANT: BURFORD, Neil; CHAWLA, Narinder K.
APPLICANT: LAL, Preeti G.; LEE, Sally
APPLICANT: TODD, Stephen; LO, Terence P.
APPLICANT: TANG, Y. Tom; ELLIOTT, Vicki S.
APPLICANT: AZIMZAI, Yalda; LU, Yan
TITLE OF INVENTION: PROTEASES
FILE REFERENCE: PI-0167 USN
CURRENT APPLICATION NUMBER: US/10/333,574
CURRENT FILING DATE: 2003-01-21
PRIOR APPLICATION NUMBER: US 01/22397
PRIOR FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: US 60/220,063
PRIOR FILING DATE: 2000-07-21
PRIOR APPLICATION NUMBER: US 60/221,680
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: US 60/223,544
PRIOR FILING DATE: 2000-08-04
PRIOR APPLICATION NUMBER: US 60/224,717
PRIOR FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: US 60/225,988
PRIOR FILING DATE: 2000-08-16
PRIOR APPLICATION NUMBER: US 60/227,568
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PERL Program
SEQ ID NO 22
LENGTH: 2789
TYPE: DNA
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FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No: 5155802CBI
US-10-333-574-22

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Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 1342 GAGAGTTCTGGGTGTCCTA 1360

RESULT 14
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Sequence 87, Application US/10116802
Publication No. US20030065157A1
GENERAL INFORMATION:
APPLICANT: Amy Lasek
TITLE OF INVENTION: GENES EXPRESSED IN LUNG CANCER
FILE REFERENCE: PA-0045; US
CURRENT APPLICATION NUMBER: US/10/116,802
CURRENT FILING DATE: 2002-04-04
PRIOR APPLICATION NUMBER: 60/281,593
PRIOR FILING DATE: 2001-04-04
NUMBER OF SEQ ID NOS: 519
SOFTWARE: PERL Program
SEQ ID NO 87
LENGTH: 3327
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No: 453004.32
US-10-116-802-87

Query Match 79.1%; Score 17.4; DB 13; Length 3327;
Best Local Similarity 94.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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RESULT 15
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Sequence 284738, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 284738
LENGTH: 545
TYPE: DNA
ORGANISM: Human
US-10-027-632-284738

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Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Db 196 TGAGACATTTCTGGGTGTCATA 217

Search completed: July 25, 2004, 02:23:16
Job time : 18.8497 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 23:33:06 ; Search time 103 Seconds

(Without alignments)
6375.853 Million cell updates/sec

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Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 300 summaries

Database : Issued Patents NA:
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6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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5	20	1.7	786431	4	US-09-751-389-3
6	19	1.6	1467	4	US-09-579-182-2
7	19	1.6	1548	4	US-09-099-053-1
8	19	1.6	2771	4	US-09-016-434-1101
9	18	1.5	1438	3	US-09-187-331-4
10	18	1.5	1438	4	US-09-470-946-4
11	18	1.5	1669	3	US-09-318-448-8
12	18	1.5	3090	3	US-09-276-531-78
13	18	1.5	70000	4	US-09-851-896-3
14	17	1.4	351	3	US-09-046-479-1
15	17	1.4	351	4	US-08-822-897C-1
16	17	1.4	351	4	US-09-608-810A-3
17	17	1.4	351	4	US-09-404-417A-1
18	17	1.4	351	4	US-09-252-991A-6817
19	17	1.4	439	4	US-09-222-575-172
20	17	1.4	439	4	US-09-389-681-172
21	17	1.4	439	4	US-09-620-405B-172
22	17	1.4	439	4	US-09-339-338-172
23	17	1.4	439	4	US-09-433-826B-172
24	17	1.4	439	4	US-09-604-287A-172
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1.4	566	4	US-09-621-976-1574	Sequence 1574, Ap
1.4	627	4	US-09-328-352-1086	Sequence 1086, Ap
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1.4	651	4	US-09-016-434-1255	Sequence 1255, Ap
1.4	674	4	US-09-621-976-87	Sequence 87, Appl
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1.4	4139	4	US-09-620-312D-349	Sequence 349, App
1.4	8802	3	US-08-896-449A-1	Sequence 1, Appl
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1.4	251	4	US-09-602-877A-93	Sequence 93, Appl
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1.4	352	4	US-09-641-638-434	Sequence 434, App
1.4	391	4	US-09-621-976-18404	Sequence 18404, A
1.4	399	4	US-09-489-039A-3397	Sequence 3397, Ap
1.4	408	4	US-09-564-329A-10	Sequence 10, Appl
1.4	423	2	US-08-822-028-62	Sequence 62, Appl
1.4	423	2	US-08-479-285-62	Sequence 62, Appl
1.4	423	3	US-09-503-653A-62	Sequence 62, Appl
1.4	439	3	US-09-042-353-360	Sequence 360, App
1.4	439	4	US-08-758-417A-208	Sequence 208, App
1.4	480	4	US-09-621-976-10604	Sequence 10604, A
1.4	497	4	US-09-621-976-2590	Sequence 2590, A
1.4	546	4	US-09-252-991A-1532	Sequence 1532, Ap
1.4	579	4	US-09-328-352-491	Sequence 491, App
1.4	594	4	US-09-252-991A-1119	Sequence 1119, A
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1.4	651	4	US-09-252-991A-9984	Sequence 9984, Ap
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c 103	16	1.4	754	4	US-09-833-381-968	Sequence 968, App	176	16	1.4	2733	5	PCT-US96-00331-14	Sequence 14, Appl
c 104	16	1.4	772	3	US-09-020-956-11	Sequence 11, Appl	177	16	1.4	2859	2	US-08-506-340A-2	Sequence 2, Appl
c 105	16	1.4	772	3	US-09-030-607-11	Sequence 11, Appl	c 178	16	1.4	2864	4	US-09-409-180A-2	Sequence 2, Appl
c 106	16	1.4	772	4	US-09-439-113-11	Sequence 11, Appl	c 179	16	1.4	2872	4	US-09-327-487A-2	Sequence 2, Appl
c 107	16	1.4	772	4	US-09-352-616A-11	Sequence 11, Appl	c 180	16	1.4	2904	4	US-09-636-215-703	Sequence 703, App
c 108	16	1.4	772	4	US-09-232-149A-11	Sequence 11, Appl	c 181	16	1.4	2904	4	US-09-685-166A-703	Sequence 703, App
c 109	16	1.4	772	4	US-09-159-812-11	Sequence 11, Appl	c 182	16	1.4	3146	4	US-09-620-312D-277	Sequence 277, App
c 110	16	1.4	772	4	US-09-636-215-11	Sequence 11, Appl	c 183	16	1.4	3410	3	US-09-020-956-110	Sequence 110, App
c 111	16	1.4	772	4	US-09-685-166A-11	Sequence 11, Appl	c 184	16	1.4	3410	3	US-09-030-607-110	Sequence 110, App
c 112	16	1.4	772	4	US-09-115-453-11	Sequence 11, Appl	c 185	16	1.4	3410	4	US-09-439-113-110	Sequence 110, App
c 113	16	1.4	772	4	US-09-688-489-11	Sequence 11, Appl	c 186	16	1.4	3410	4	US-09-352-616A-110	Sequence 110, App
c 114	16	1.4	819	3	US-08-982-019B-4	Sequence 4, Appl	c 187	16	1.4	3410	4	US-09-602-877A-100	Sequence 100, App
c 115	16	1.4	819	3	US-09-016-534-4	Sequence 4, Appl	c 188	16	1.4	3410	4	US-09-232-149A-110	Sequence 110, App
c 116	16	1.4	819	3	US-08-053-131-184	Sequence 184, App	c 189	16	1.4	3410	4	US-09-159-812-110	Sequence 110, App
c 117	16	1.4	847	1	US-08-096-762-184	Sequence 184, App	c 190	16	1.4	3410	4	US-09-685-166A-110	Sequence 110, App
c 118	16	1.4	847	3	US-09-042-353-47	Sequence 47, App	c 191	16	1.4	3410	4	US-09-115-453-110	Sequence 110, App
c 119	16	1.4	847	3	US-08-758-417A-312	Sequence 312, App	c 192	16	1.4	3524	4	US-09-688-489-110	Sequence 110, App
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c 122	16	1.4	909	4	US-08-468-709B-1	Sequence 1, Appl	c 195	16	1.4	3530	4	US-09-521-220-10	Sequence 10, Appl
c 123	16	1.4	924	1	US-08-241-664B-1	Sequence 1, Appl	c 196	16	1.4	3831	4	US-09-360-394C-1	Sequence 1, Appl
c 124	16	1.4	924	2	US-08-241-664B-1	Sequence 1, Appl	c 197	16	1.4	3831	3	US-09-056-105-14	Sequence 14, Appl
c 125	16	1.4	924	4	US-09-640-173-174	Sequence 174, App	c 198	16	1.4	3931	4	US-08-956-171B-342	Sequence 342, App
c 126	16	1.4	924	4	US-09-713-550-174	Sequence 1, Appl	c 199	16	1.4	4034	4	US-09-636-215-704	Sequence 704, App
c 127	16	1.4	924	5	PCT-US93-03936-1	Sequence 2, Appl	c 200	16	1.4	4034	4	US-09-685-166A-704	Sequence 704, App
c 128	16	1.4	927	3	US-09-147-915-2	Sequence 56, App	c 201	16	1.4	4394	4	US-09-620-312D-297	Sequence 297, App
c 129	16	1.4	1085	3	US-08-875-811-56	Sequence 1, Appl	c 202	16	1.4	4894	4	US-08-851-567B-58	Sequence 58, Appl
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c 131	16	1.4	1230	4	US-09-252-991A-3665	Sequence 3665, Ap	c 204	16	1.4	4894	4	US-09-685-166A-702	Sequence 702, App
c 132	16	1.4	1336	3	US-08-718-388-2	Sequence 2, Appl	c 205	16	1.4	5330	4	US-09-023-505A-1	Sequence 1, Appl
c 133	16	1.4	1386	4	US-09-252-991A-1489	Sequence 1489, Ap	c 206	16	1.4	5330	3	US-09-012-515A-11	Sequence 11, Appl
c 134	16	1.4	1572	4	US-09-489-039A-5714	Sequence 5714, Ap	c 207	16	1.4	5430	3	US-08-360-144A-11	Sequence 11, Appl
c 135	16	1.4	1629	4	US-09-620-312D-317	Sequence 317, App	c 208	16	1.4	5430	4	US-09-012-504A-11	Sequence 11, Appl
c 136	16	1.4	1641	4	US-09-328-352-1458	Sequence 1458, Ap	c 209	16	1.4	5430	4	US-09-012-399A-11	Sequence 11, Appl
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c 138	16	1.4	1695	1	US-08-361-920-20	Sequence 20, Appl	c 211	16	1.4	5822	4	US-09-436-998-3	Sequence 3, Appl
c 139	16	1.4	1695	1	US-08-479-939-20	Sequence 20, Appl	c 212	16	1.4	6822	4	US-09-636-215-705	Sequence 705, App
c 140	16	1.4	1695	1	US-08-483-432-20	Sequence 6, Appl	c 213	16	1.4	6976	4	US-09-685-166A-705	Sequence 705, App
c 141	16	1.4	1716	4	US-09-674-677-6	Sequence 6, Appl	c 214	16	1.4	6976	4	US-08-471-112A-1	Sequence 4, Appl
c 142	16	1.4	1717	2	US-08-468-709B-6	Sequence 6, Appl	c 215	16	1.4	7653	4	US-09-426-998-4	Sequence 4, Appl
c 143	16	1.4	1717	2	US-08-241-664B-6	Sequence 6, Appl	c 216	16	1.4	7741	4	US-08-718-388-6	Sequence 6, Appl
c 144	16	1.4	1717	5	PCT-US93-03936-6	Sequence 6, Appl	c 217	16	1.4	7824	3	US-08-718-388-6	Sequence 6, Appl
c 145	16	1.4	1770	4	US-09-252-991A-1639	Sequence 1639, Ap	c 218	16	1.4	7824	5	PCT-US95-06722-11	Sequence 11, Appl
c 146	16	1.4	1824	4	US-09-016-434-1425	Sequence 1425, Ap	c 219	16	1.4	8285	4	US-08-732-025-3	Sequence 3, Appl
c 147	16	1.4	1825	4	US-09-023-655-1061	Sequence 1061, Ap	c 220	16	1.4	8598	4	US-08-305-790B-1	Sequence 1, Appl
c 148	16	1.4	1839	4	US-09-252-991A-1687	Sequence 1687, Ap	c 221	16	1.4	9046	1	US-08-227-536-1	Sequence 1, Appl
c 149	16	1.4	1868	4	US-09-739-455-1	Sequence 1, Appl	c 222	16	1.4	9046	5	PCT-US95-04682-1	Sequence 1, Appl
c 150	16	1.4	1878	4	US-09-732-025-1	Sequence 1, Appl	c 223	16	1.4	11517	1	US-07-920-281C-1	Sequence 1, Appl
c 151	16	1.4	1882	4	US-09-620-312D-427	Sequence 427, App	c 224	16	1.4	11517	3	US-08-466-277-1	Sequence 1, Appl
c 152	16	1.4	1953	4	US-09-252-991A-3804	Sequence 3804, Ap	c 225	16	1.4	11725	2	US-08-756-506-1	Sequence 1, Appl
c 153	16	1.4	1994	4	US-09-398-395A-41	Sequence 41, Appl	c 226	16	1.4	11725	4	US-08-328-925-50	Sequence 50, Appl
c 154	16	1.4	1994	4	US-09-887-586A-41	Sequence 41, Appl	c 227	16	1.4	11827	4	US-08-739-455-3	Sequence 3, Appl
c 155	16	1.4	1994	4	US-09-895-752-41	Sequence 41, Appl	c 228	16	1.4	16382	3	US-08-718-388-8	Sequence 3, Appl
c 156	16	1.4	1994	4	US-09-903-012B-41	Sequence 41, Appl	c 229	16	1.4	24707	4	US-09-740-027-3	Sequence 3, Appl
c 157	16	1.4	1994	4	US-09-900-797-41	Sequence 41, Appl	c 230	16	1.4	34001	4	US-09-596-002-18	Sequence 18, Appl
c 158	16	1.4	2012	2	US-08-235-838-15	Sequence 15, Appl	c 231	16	1.4	51259	3	US-08-781-891-209	Sequence 209, App
c 159	16	1.4	2012	2	US-08-465-473B-15	Sequence 15, Appl	c 232	16	1.4	51259	4	US-09-618-166-209	Sequence 209, App
c 160	16	1.4	2143	3	US-09-071-710-15	Sequence 15, Appl	c 233	16	1.4	70000	4	US-09-851-896-3	Sequence 3, Appl
c 161	16	1.4	2143	3	US-09-525-397-15	Sequence 15, Appl	c 234	16	1.4	80246	3	US-09-078-234-4	Sequence 4, Appl
c 162	16	1.4	2152	3	US-09-071-710-16	Sequence 16, Appl	c 235	16	1.4	80595	3	US-09-078-234-3	Sequence 3, Appl
c 163	16	1.4	2152	3	US-09-525-397-16	Sequence 16, Appl	c 236	16	1.4	128779	4	US-09-497-855A-38	Sequence 38, Appl
c 164	16	1.4	2355	4	US-09-232-991A-3845	Sequence 3845, Ap	c 237	16	1.4	269223	4	US-09-557-884-1	Sequence 41, Appl
c 165	16	1.4	2360	4	US-09-023-655-1286	Sequence 1286, Ap	c 238	16	1.4	269223	4	US-09-557-884-1	Sequence 1, Appl
c 166	16	1.4	2416	4	US-09-016-434-1264	Sequence 1264, Ap	c 239	16	1.4	1830121	4	US-09-643-990A-30	Sequence 30, Appl
c 167	16	1.4	2469	1	US-07-997-133-2	Sequence 2, Appl	c 240	15	1.3	27	3	US-09-253-396A-30	Sequence 39, Appl
c 168	16	1.4	2469	5	US-08-459-296-1	Sequence 1, Appl	c 241	15	1.3	28	1	US-08-467-420A-39	Sequence 39, Appl
c 169	16	1.4	2469	5	US-07-997-133-2	Sequence 2, Appl	c 242	15	1.3	28	1	US-08-667-769A-39	Sequence 39, Appl
c 170	16	1.4	2491	4	US-09-023-655-655	Sequence 655, App	c 243	15	1.3	28	2	US-08-940-371-39	Sequence 39, Appl
c 171	16	1.4	2577	4	US-09-266-464-1	Sequence 1, Appl	c 244	15	1.3	28	2	US-08-637-647-39	Sequence 39, Appl
c 172	16	1.4	2577	4	US-09-016-434-1095	Sequence 1095, Ap	c 245	15	1.3	28	5	PCT-US95-17082A-39	Sequence 39, Appl
c 173	16	1.4	2662	2	US-08-451-822A-14	Sequence 14, Appl	c 246	15	1.3	28			

247 15 1.3 31 1 US-08-467-420A-40 Sequence 40, Appl
248 15 1.3 31 1 US-08-470-110A-40 Sequence 40, Appl
249 15 1.3 31 1 US-08-667-769A-40 Sequence 40, Appl
250 15 1.3 31 2 US-08-940-371-40 Sequence 40, Appl
251 15 1.3 31 3 US-08-637-647-40 Sequence 40, Appl
252 15 1.3 31 5 PCT-US95-17082A-40 Sequence 6, Appl
C 253 15 1.3 37 5 PCT-US93-11638-6 Sequence 129, App
C 254 15 1.3 41 2 US-08-053-451B-129 Sequence 15, Appl
C 255 15 1.3 42 3 US-08-872-056-15 Sequence 97, Appl
C 256 15 1.3 47 1 US-08-482-882-97 Sequence 97, Appl
C 257 15 1.3 47 1 US-08-483-389-97 Sequence 97, Appl
C 258 15 1.3 47 2 US-08-487-113D-97 Sequence 97, Appl
C 259 15 1.3 47 2 US-08-473-503-97 Sequence 97, Appl
C 260 15 1.3 47 2 US-08-483-932-97 Sequence 97, Appl
C 261 15 1.3 47 3 US-08-720-420A-97 Sequence 97, Appl
C 262 15 1.3 47 3 US-08-714-017-97 Sequence 97, Appl
C 263 15 1.3 47 3 US-08-475-680-97 Sequence 136, App
C 264 15 1.3 50 2 US-08-053-451B-136 Sequence 160, App
C 265 15 1.3 60 2 US-08-053-451B-160 Sequence 68, Appl
C 266 15 1.3 71 1 US-08-472-255A-68 Sequence 68, Appl
C 267 15 1.3 71 1 US-08-479-724A-68 Sequence 68, Appl
C 268 15 1.3 71 3 US-08-472-256B-68 Sequence 68, Appl
C 269 15 1.3 71 3 US-08-952-793-68 Sequence 68, Appl
C 270 15 1.3 71 4 US-09-849-928-68 Sequence 85, Appl
C 271 15 1.3 71 5 PCT-US96-09455A-68 Sequence 85, Appl
C 272 15 1.3 88 2 US-08-483-528B-85 Sequence 85, Appl
C 273 15 1.3 88 3 US-08-673-799C-85 Sequence 85, Appl
C 274 15 1.3 88 4 US-09-393-385B-85 Sequence 40, Appl
C 275 15 1.3 92 2 US-08-480-434-40 Sequence 22, Appl
C 276 15 1.3 92 2 US-08-053-451B-40 Sequence 87, Appl
C 277 15 1.3 96 3 US-09-199-149-22 Sequence 23, Appl
C 278 15 1.3 98 4 US-09-647-468-87 Sequence 23, Appl
C 279 15 1.3 102 4 US-09-425-638A-23 Sequence 39, Appl
C 280 15 1.3 102 4 US-09-543-004-23 Sequence 39, Appl
C 281 15 1.3 140 1 US-08-480-434-39 Sequence 41, Appl
C 282 15 1.3 140 2 US-08-053-451B-39 Sequence 41, Appl
C 283 15 1.3 152 1 US-08-480-434-41 Sequence 2, Appl
C 284 15 1.3 152 2 US-08-053-451B-41 Sequence 2, Appl
C 285 15 1.3 177 2 US-08-418-085-2 Sequence 12, Appl
C 286 15 1.3 177 3 US-09-099-011A-2 Sequence 6653, Ap
C 287 15 1.3 177 4 US-09-098-877B-2 Sequence 2, Appl
C 288 15 1.3 186 1 US-08-222-177A-12 Sequence 2, Appl
C 289 15 1.3 197 4 US-09-313-294A-6653 Sequence 2327, Ap
C 290 15 1.3 234 1 US-08-270-985-2 Sequence 62, Appl
C 291 15 1.3 234 3 US-08-478-208-2 Sequence 62, Appl
C 292 15 1.3 257 4 US-09-313-294A-2327 Sequence 62, Appl
C 293 15 1.3 280 1 US-08-300-386A-62 Sequence 38, Appl
C 294 15 1.3 280 3 US-08-931-645-62 Sequence 38, Appl
C 295 15 1.3 280 5 PCT-US95-11235-62 Sequence 140, App
C 296 15 1.3 291 1 US-08-480-434-38 Sequence 140, App
C 297 15 1.3 291 2 US-08-053-451B-38 Sequence 5501, Ap
C 298 15 1.3 292 4 US-09-313-294A-140 Sequence 1644, Ap
C 299 15 1.3 295 4 US-09-313-294A-5501
C 300 15 1.3 297 4 US-09-543-681A-1644

ALIGNMENTS

RESULT 1
US-09-621-976-10381 Query Match 1.7% Score 20; DB 1; Length 675;
; Sequence 10381, Application US/09621976 Best Local Similarity 100.0%; Pred. No. 4;
; Patent No. 6639063 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.fm

US-08-707-793A-3 Query Match 1.7% Score 20; DB 1; Length 675;
; Sequence 3, Application US/08707793A Best Local Similarity 100.0%; Pred. No. 4;
; Patent No. 5776696 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; GENERAL INFORMATION:
; APPLICANT: SALOWE, SCOTT P.
; TITLE OF INVENTION: A HIGH THROUGHPUT ASSAY USING
; TITLE OF INVENTION: FUSION PROTEINS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/707,793A
; FILING DATE: 04-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Camara, Valerie J
; REGISTRATION NUMBER: 35,090
; REFERENCE/DOCKET NUMBER: 19494
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-594-3902
; TELEFAX: 908-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 675 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA

US-08-707-793A-3 Query Match 1.7% Score 20; DB 1; Length 675;
; Sequence 3, Application US/08707792A Best Local Similarity 100.0%; Pred. No. 4;
; Patent No. 5783398 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.fm

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; GENERAL INFORMATION:
; APPLICANT: MARCY, ALICE
; APPLICANT: SALOWE, SCOTT P.
; APPLICANT: WISNIEWSKI, DOUGLAS
; TITLE OF INVENTION: A HIGH THROUGHPUT ASSAY USING
; TITLE OF INVENTION: FUSION PROTEINS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/707,792A
; FILING DATE: 04-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Camara, Valerie J
; REGISTRATION NUMBER: 35,090
; REFERENCE/DOCKET NUMBER: 19524
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-594-3902
; TELEFAX: 908-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 675 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; US-08-707-792A-3

Query Match 1.7%; Score 20; DB 1; Length 675;
Best Local Similarity 100.0%; Pred. No. 4;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCTCATCCGGGAGGC 766
Db 443 CCTTCTCATCCGGGAGGC 462

RESULT 4
US-09-016-434-1452
; Sequence 1452, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhammer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1452:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2129 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: 9775207
; US-09-016-434-1452

Query Match 1.7%; Score 20; DB 4; Length 2129;
Best Local Similarity 100.0%; Pred. No. 4;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCTCATCCGGGAGGC 766
Db 508 CCTTCTCATCCGGGAGGC 527

RESULT 5
US-09-751-389-3
; Sequence 3, Application US/09751389
; Patent No. 6630334
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001067
; CURRENT APPLICATION NUMBER: US/09/751,389
; CURRENT FILING DATE: 2001-01-02
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 786431
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(786431)
; OTHER INFORMATION: n = A,T,C or G
; US-09-751-389-3

Query Match 1.7%; Score 20; DB 4; Length 786431;
Best Local Similarity 100.0%; Pred. No. 3.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 693 TGAGCAGGGAGAAAGCAGAG 712
Db 412751 TGAGCAGGGAGAAAGCAGAG 412770

RESULT 6
US-09-579-182-2
; Sequence 2, Application US/09579182
; Patent No. 6500628
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; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE AND
; FILE REFERENCE: MNI-161
; CURRENT APPLICATION NUMBER: US/09/579,182
; CURRENT FILING DATE: 2000-05-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-579-182-2

Query Match      1.6%; Score 19; DB 4; Length 1467;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      742 AGGGGCTTCCTCATCCGG 760
Db      423 AGGGGCTTCCTCATCCGG 441

RESULT 7
US-09-099-053-1
; Sequence 1, Application US/09099053
; Patent No. 6388063
; GENERAL INFORMATION:
; APPLICANT: Greg Plowman
; APPLICANT: Susan Onrust
; APPLICANT: David Markby
; APPLICANT: Sara Courtneidge
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/099,053
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/049,914
; FILING DATE: June 18, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 235/121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-099-053-1

; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE AND
; FILE REFERENCE: MNI-161
; CURRENT APPLICATION NUMBER: US/09/579,182
; CURRENT FILING DATE: 2000-05-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-579-182-2

Query Match      1.6%; Score 19; DB 4; Length 1467;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      742 AGGGGCTTCCTCATCCGG 760
Db      423 AGGGGCTTCCTCATCCGG 441

RESULT 8
US-09-016-434-1101
; Sequence 1101, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE.
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4165
; INFORMATION FOR SEQ ID NO: 1101:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2771 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: GI256002
US-09-016-434-1101

Query Match      1.6%; Score 19; DB 4; Length 2771;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      585 CTGAGGATGGAGACTGGTG 603
Db      1305 CTGAGGATGGAGACTGGTG 1323

RESULT 9
US-09-187-331-4
; Sequence 4, Application US/09187331
; Patent No. 6043056
; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
```

; APPLICANT: Guegler, Karl J.
; APPLICANT: Gorgone, Gina A.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: CELL SURFACE GLYCOPROTEINS
; FILE REFERENCE: PF-0631 US
; CURRENT APPLICATION NUMBER: US/09/187,331
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 4
; LENGTH: 1438
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: 2705267
US-09-187-331-4

Query Match 1.5%; Score 18; DB 3; Length 1438;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1139 TACATCAGCTGAATGAC 1156
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DB 855 TACATCAGCTGAATGAC 872

RESULT 10

US-09-470-946-4
; Sequence 4, Application US/09470946
; Patent No. 6358923
; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Gorgone, Gina A.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: CELL SURFACE GLYCOPROTEINS
; FILE REFERENCE: PF-0631 US
; CURRENT APPLICATION NUMBER: US/09/470,946
; CURRENT FILING DATE: 1999-12-22
; EARLIER APPLICATION NUMBER: US 09/187,331
; EARLIER FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 4
; LENGTH: 1438
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: 2705267
US-09-470-946-4

Query Match 1.5%; Score 18; DB 4; Length 1438;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1139 TACATCAGCTGAATGAC 1156
|||||
DB 855 TACATCAGCTGAATGAC 872

RESULT 11

US-09-318-448-8
; Sequence 8, Application US/09318448
; Patent No. 6210950
; GENERAL INFORMATION:
; APPLICANT: Johnson, William G.
; APPLICANT: Stenroos, Edward S.
; TITLE OF INVENTION: METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
; TITLE OF INVENTION: DEVELOPMENTAL DISORDERS
; FILE REFERENCE: 601-1-057
; CURRENT APPLICATION NUMBER: US/09/318,448
; CURRENT FILING DATE: 1999-05-25

; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1669
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-318-448-8

Query Match 1.5%; Score 18; DB 3; Length 1669;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 416 AGAAGAAATCTCTGCCA 433
|||||
DB 494 AGAAGAAATCTCTGCCA 511

RESULT 12

US-09-276-531-78/c
; Sequence 78, Application US/09276531
; Patent No. 6183968
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Reddy, Roopa
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF GENES ENCODING
; NUMBER OF SEQUENCES: 134
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/276,531
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/079,677
; FILING DATE: March 27, 1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lynn E. Murry, Ph.D.
; REGISTRATION NUMBER: 42,918
; REFERENCE/DOCKET NUMBER: PA-0008 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3090 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BRAINOT14
; CLONE: 1595762
US-09-276-531-78

Query Match 1.5%; Score 18; DB 3; Length 3090;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1093 GGAGGAGCTCTTCTCTCAG 1110
|||||
Db 398 GGAGGAGCTCTTCTCTCAG 381

RESULT 13

US-09-851-896-3
; Sequence 3, Application US/09851896
; Patent No. 6410325
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP VI (CA2+-INDEPENDENT)
; FILE REFERENCE: RTS-0220
; CURRENT APPLICATION NUMBER: US/09/851,896
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 3
; LENGTH: 70000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-851-896-3

Query Match 1.5%; Score 18; DB 4; Length 70000;

Best Local Similarity 100.0%; Pred. No. 36;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 455 GTCCAAAGGCCAGGCACT 472
|||||
Db 60708 GTCCAAAGGCCAGGCACT 60725

RESULT 14

US-09-046-479-1/c
; Sequence 1, Application US/09046479
; Patent No. 6291653
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Deisher, Theresa A.
; TITLE OF INVENTION: MOTILIN HOMOLOGS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/046,479
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sawislak, Deborah A
; REGISTRATION NUMBER: 37,438
; REFERENCE/DOCKET NUMBER: 97-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6672
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 351 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1...351
; OTHER INFORMATION:
; NAME/KEY: sig_peptide
; LOCATION: 1...69
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
; LOCATION: 70...351
; OTHER INFORMATION:
US-09-046-479-1

Query Match 1.4%; Score 17; DB 3; Length 351;

Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 296 GTCCAGCCAGGAGCATGC 312
|||||
Db 57 GTCCAGCCAGGAGCATGC 41

RESULT 15

US-08-822-897C-1/c
; Sequence 1, Application US/08822897C
; Patent No. 6380158
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Deisher, Theresa A.
; TITLE OF INVENTION: MOTILIN HOMOLOGS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,897C
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sawislak, Deborah A
; REGISTRATION NUMBER: 37,438
; REFERENCE/DOCKET NUMBER: 97-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6672
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 351 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1...351

```
;
; OTHER INFORMATION:
; NAME/KEY: sig_peptide
; LOCATION: 1...69
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
; LOCATION: 70...351
; OTHER INFORMATION:
; US-08-822-897C-1

Query Match      1.4%; Score 17; DB 4; Length 351;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 296 GTCCAGCCAGAGCATGC 312
Db 57 GTCCAGCCAGAGCATGC 41

RESULT 16
US-09-608-810A-3/c
; Sequence 3, Application US/09608810A
; Patent No. 6420521
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Jaspers, Stephen R.
; APPLICANT: Deisher, Theresa A.
; APPLICANT: Bishop, Paul D.
; TITLE OF INVENTION: SGIP PEPTIDES
; FILE REFERENCE: 99-51
; CURRENT APPLICATION NUMBER: US/09/608,810A
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: 60/141,592
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 351
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(351)
; NAME/KEY: sig_peptide
; LOCATION: (1)...(69)
; NAME/KEY: mat_peptide
; LOCATION: (70)...(351)
; US-09-608-810A-3

Query Match      1.4%; Score 17; DB 4; Length 351;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 296 GTCCAGCCAGAGCATGC 312
Db 57 GTCCAGCCAGAGCATGC 41

RESULT 17
US-09-404-417A-1/c
; Sequence 1, Application US/09404417A
; Patent No. 662729
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Deisher, Theresa A.
; APPLICANT: Jaspers, Stephen R.
; TITLE OF INVENTION: TML PEPTIDES
; FILE REFERENCE: 97-04C1
; CURRENT APPLICATION NUMBER: US/09/404,417A
; CURRENT FILING DATE: 1999-09-23
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 351

;
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(351)
; NAME/KEY: mat_peptide
; LOCATION: (70)...(351)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (375)

;
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(351)
; OTHER INFORMATION:
; US-09-404-417A-1

Query Match      1.4%; Score 17; DB 4; Length 351;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 296 GTCCAGCCAGAGCATGC 312
Db 57 GTCCAGCCAGAGCATGC 41

RESULT 18
US-09-252-991A-6817/c
; Sequence 6817, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6817
; LENGTH: 435
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-6817

Query Match      1.4%; Score 17; DB 4; Length 435;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 692 CTGAGCAGCGGAGAAAGC 708
Db 427 CTGAGCAGCGGAGAAAGC 411

RESULT 19
US-09-222-575-172
; Sequence 172, Application US/09222575
; Patent No. 6387697
; GENERAL INFORMATION:
; APPLICANT: Yuguu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
; FILE REFERENCE: 210121.470
; CURRENT APPLICATION NUMBER: US/09/222,575
; CURRENT FILING DATE: 1998-12-28
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (19)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (375)
```



```

; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (388)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (390)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (395)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (409)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (426)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (434)
; OTHER INFORMATION: Where n is a, c, g or t
; US-09-222-575-172

```

```

Query Match      1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      750 TCCTCATCCGGGAGGC 766
      |||||
Db      80 TCCTCATCCGGGAGGC 96

```

```

RESULT 20
US-09-389-681-172
; Sequence 172, Application US/09389681A
; Patent No. 6518237
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)---(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-389-681-172

```

```

Query Match      1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      750 TCCTCATCCGGGAGGC 766
      |||||
Db      80 TCCTCATCCGGGAGGC 96

```

```

RESULT 21
US-09-620-405B-172
; Sequence 172, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

```

```

; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)---(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-620-405B-172

```

```

Query Match      1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      750 TCCTCATCCGGGAGGC 766
      |||||
Db      80 TCCTCATCCGGGAGGC 96

```

```

RESULT 22
US-09-339-338-172
; Sequence 172, Application US/09339338A
; Patent No. 6573368
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)---(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-339-338-172

```

```

Query Match      1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      750 TCCTCATCCGGGAGGC 766
      |||||
Db      80 TCCTCATCCGGGAGGC 96

```

```

RESULT 23
US-09-433-826B-172
; Sequence 172, Application US/09433826B
; Patent No. 6579973
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun

```

```
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C4
; CURRENT APPLICATION NUMBER: US/09/433,826B
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 474
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-433-826B-172

Query Match          1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      750 TCCTCATCCGGGAGGC 766
      |||||
Db      80 TCCTCATCCGGGAGGC 96

RESULT 24
US-09-604-287A-172
; Sequence 172, Application US/09604287A
; Patent No. 6596572
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C7
; CURRENT APPLICATION NUMBER: US/09/604,287A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-604-287A-172

Query Match          1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      750 TCCTCATCCGGGAGGC 766
      |||||
Db      80 TCCTCATCCGGGAGGC 96

RESULT 25
US-09-285-480-172
; Sequence 172, Application US/09285480
; Patent No. 6590076
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
```

```
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C1
; CURRENT APPLICATION NUMBER: US/09/285,480
; CURRENT FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 181
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-285-480-172

Query Match          1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      750 TCCTCATCCGGGAGGC 766
      |||||
Db      80 TCCTCATCCGGGAGGC 96

RESULT 26
US-09-834-759-172
; Sequence 172, Application US/09834759
; Patent No. 6680197
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834,759
; CURRENT FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-834-759-172

Query Match          1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      750 TCCTCATCCGGGAGGC 766
      |||||
Db      80 TCCTCATCCGGGAGGC 96

RESULT 27
US-09-702-705-1598
; Sequence 1598, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
```

; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1598
; LENGTH: 445
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-702-705-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 750 TCCTCATCCGGGAGGC 766
|||||
Db 59 TCCTCATCCGGGAGGC 75

RESULT 28
US-09-736-457-1598
; Sequence 1598, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1598
; LENGTH: 445
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-736-457-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 750 TCCTCATCCGGGAGGC 766
|||||
Db 59 TCCTCATCCGGGAGGC 75

RESULT 29
US-09-614-124B-1598
; Sequence 1598, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Marnion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C9
; CURRENT APPLICATION NUMBER: US/09/614,124B
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1598
; LENGTH: 445
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-614-124B-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 750 TCCTCATCCGGGAGGC 766
|||||
Db 59 TCCTCATCCGGGAGGC 75

RESULT 30
US-09-671-325-1598
; Sequence 1598, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Marnion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1598
; LENGTH: 445
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-671-325-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 750 TCCTCATCCGGGAGGC 766
|||||
Db 59 TCCTCATCCGGGAGGC 75

RESULT 31
US-09-220-132-10
; Sequence 10, Application US/09220132
; Patent No. 6506607
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; TITLE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23

FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US 60/079,303
PRIOR FILING DATE: 1998-03-25
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 1086
LENGTH: 627
TYPE: DNA
ORGANISM: Acinetobacter baumannii
US-09-328-352-1086

Query Match 1.4%; Score 17; DB 4; Length 627;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1075 TTCTGAAGCTGCCACAG 1091
|||||
Db 117 TTCTGAAGCTGCCACAG 101

Query Match 1.4%; Score 17; DB 4; Length 541;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TCCTCATCCGGGAGAC 766
|||||
Db 395 TCCTCATCCGGGAGAC 411

RESULT 32
US-09-621-976-1574
Sequence 1574, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S. J.Y.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 1574
LENGTH: 566
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 176..439
NAME/KEY: sig_peptide
LOCATION: 176..247
OTHER INFORMATION: Von Heijne matrix
OTHER INFORMATION: score 6.09999990463257
OTHER INFORMATION: seq AALVSLFAPAAPC/SI
NAME/KEY: misc_feature
LOCATION: 525
OTHER INFORMATION: n=a, g, c or t
US-09-621-976-1574

Query Match 1.4%; Score 17; DB 4; Length 566;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1072 GTTTCTGAAGCTGCCA 1088
|||||
Db 505 GTTTCTGAAGCTGCCA 521

RESULT 33
US-09-328-352-1086/c
Sequence 1086, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 1086
LENGTH: 627
TYPE: DNA
ORGANISM: Acinetobacter baumannii
US-09-328-352-1086

Query Match 1.4%; Score 17; DB 4; Length 627;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1075 TTCTGAAGCTGCCACAG 1091
|||||
Db 117 TTCTGAAGCTGCCACAG 101

RESULT 34
US-09-833-381-1262
Sequence 1262, Application US/09833381
Patent No. 6672186
GENERAL INFORMATION:
APPLICANT: Robison, Keith E.
TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/833,381
CURRENT FILING DATE: 2001-04-11
PRIOR APPLICATION NUMBER: 09/516,448
PRIOR FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1262
LENGTH: 643
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(643)
OTHER INFORMATION: n = A,T,C or G
US-09-833-381-1262

Query Match 1.4%; Score 17; DB 4; Length 643;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1139 TACATCAGCCTGAATGA 1155
|||||
Db 156 TACATCAGCCTGAATGA 172

RESULT 35
US-09-016-434-1255/c
Sequence 1255, Application US/09016434
Patent No. 6500938
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1255:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 651 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g190878
; US-09-016-434-1255

Query Match 1.4%; Score 17; DB 4; Length 651;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TCTCATCCGGAGAGC 766
DB 638 TCTCATCCGGAGAGC 622

RESULT 36
US-09-621-976-87
; Sequence 87, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 87
; LENGTH: 674
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 221..673
; NAME/KEY: sig_peptide
; LOCATION: 221..268
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 7.30000019073486
; OTHER INFORMATION: seq FULLTCFLITGTS/VS
US-09-621-976-87

Query Match 1.4%; Score 17; DB 4; Length 674;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1139 TACATCAGCCTGAATGA 1155
DB 302 TACATCAGCCTGAATGA 318
```

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RESULT 37
US-09-489-039A-5493
; Sequence 5493, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 5493
; LENGTH: 759
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-5493

Query Match 1.4%; Score 17; DB 4; Length 759;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 542 GCCGAGCTGCTGCTGAG 558
DB 676 GCCGAGCTGCTGCTGAG 692

RESULT 38
US-09-434-354-1
; Sequence 1, Application US/09434354
; Patent No. 6562563
; GENERAL INFORMATION:
; APPLICANT: Murphy, Anne N.
; APPLICANT: Clevenger, William
; APPLICANT: Wiley, Sandra Eileen
; APPLICANT: Andreyev, Alexander Y.
; APPLICANT: Frigeri, Luciano G.
; APPLICANT: Velicelebi, Gonul
; APPLICANT: Davis, Robert E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETERMINING
; TITLE OF INVENTION: INTERACTIONS OF MITOCHONDRIAL COMPONENTS, AND FOR
; TITLE OF INVENTION: IDENTIFYING AGENTS THAT ALTER SUCH INTERACTIONS
; FILE REFERENCE: 660088.433
; CURRENT APPLICATION NUMBER: US/09/434,354
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 894
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-434-354-1

Query Match 1.4%; Score 17; DB 4; Length 894;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 106 AGAATCCCTAAGGAGCA 122
DB 178 AGAATCCCTAAGGAGCA 194

RESULT 39
US-09-634-238-89/c
; Sequence 89, Application US/09634238
; Patent No. 6544772
; GENERAL INFORMATION:
; APPLICANT: Glenn, Matthew
; APPLICANT: Havukkala, Ilkka J.
; APPLICANT: Bloksberg, Leonard, N.
; APPLICANT: Lubbers, Mark W.
```

; APPLICANT: Dekker, James
; APPLICANT: Christensson, Anna C.
; APPLICANT: Holland, Ross
; APPLICANT: O'Toole, Paul W.
; APPLICANT: Reid, Julian R.
; APPLICANT: Coolbear, Timothy
; TITLE OF INVENTION: Polynucleotides, materials incorporating
; TITLE OF INVENTION: them and methods for using them.
; FILE REFERENCE: 11000.104301
; CURRENT APPLICATION NUMBER: US/09/634,238
; CURRENT FILING DATE: 2000-08-08
; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 89
; LENGTH: 941
; TYPE: DNA
; ORGANISM: Lactobacillus rhamnosus
US-09-634-238-89

Query Match 1.4%; Score 17; DB 4; Length 941;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 888 TCACCTTCCCTCACTC 904
Db 916 TCACCTTCCCTCACTC 900

RESULT 40
US-08-154-915-1
; Sequence 1, Application US/08154915
; Patent No. 5618669
; GENERAL INFORMATION:
; APPLICANT: Beach, David
; APPLICANT: Xiong, Yue
; TITLE OF INVENTION: Cyclin Complex Rearrangement and Uses
; TITLE OF INVENTION: Related Thereto
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/154,915
; FILING DATE: 19-NOV-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,997
; FILING DATE: 17-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/963,308
; FILING DATE: 16-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/888,178
; FILING DATE: 26-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/701,514
; FILING DATE: 16-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MII-026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1089 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 13..888
US-08-154-915-1

Query Match 1.4%; Score 17; DB 1; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 949 CTGCCTACTCAAGGAGC 965
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 41
US-08-464-517-37
; Sequence 37, Application US/08464517
; Patent No. 5869640
; GENERAL INFORMATION:
; APPLICANT: BEACH, David H.
; TITLE OF INVENTION: D-TYPE CYCLIN AND USES RELATED THERETO
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,517
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/963,308
; FILING DATE: 16-OCT-1992
; APPLICATION NUMBER: US 07/888,178
; FILING DATE: 26-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/701,514
; FILING DATE: 16-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Matthew P. Vincent
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MII-004C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1089 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 13..888
US-08-464-517-37

Query Match 1.4%; Score 17; DB 2; Length 1089;

Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 949 CTGCCTACTCAAGGAGC 965
|||||
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 42

US-08-246-361A-37
; Sequence 37, Application US/08246361A
; Patent No. 5998582

; GENERAL INFORMATION:

; APPLICANT: BEACH, David H.

; TITLE OF INVENTION: D-TYPE CYCLIN AND USES RELATED THERETO

; NUMBER OF SEQUENCES: 50

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: LAHIVE & COCKFIELD

; STREET: 60 State Street

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII(text)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/246,361A

; FILING DATE: 19-MAY-1994

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/963,308

; FILING DATE: 16-OCT-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/888,178

; FILING DATE: 26-MAY-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/701,514

; FILING DATE: 16-MAY-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Matthew P. Vincent

; REGISTRATION NUMBER: 36,709

; REFERENCE/DOCKET NUMBER: MII-004C

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 227-7400

; TELEFAX: (617) 227-5941

; INFORMATION FOR SEQ ID NO: 37:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1089 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 13..888

; US-08-246-361A-37

Query Match

Best Local Similarity 1.4%; Score 17; DB 2; Length 1089;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 949 CTGCCTACTCAAGGAGC 965
|||||
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 43

US-08-463-772-37
; Sequence 37, Application US/08463772
; Patent No. 6066501

; GENERAL INFORMATION:

; APPLICANT: BEACH, David H.

; TITLE OF INVENTION: D-TYPE CYCLIN AND USES RELATED THERETO

; NUMBER OF SEQUENCES: 50

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: LAHIVE & COCKFIELD

; STREET: 60 State Street

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII(text)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/463,772

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/963,308

; FILING DATE: 16-OCT-1992

; APPLICATION NUMBER: US 07/888,178

; FILING DATE: 26-MAY-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/701,514

; FILING DATE: 16-MAY-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Matthew P. Vincent

; REGISTRATION NUMBER: 36,709

; REFERENCE/DOCKET NUMBER: MII-004C

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 227-7400

; TELEFAX: (617) 227-5941

; INFORMATION FOR SEQ ID NO: 37:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1089 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 13..888

; US-08-463-772-37

Query Match

Best Local Similarity 1.4%; Score 17; DB 3; Length 1089;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 949 CTGCCTACTCAAGGAGC 965
|||||
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 44

PCT-US93-09945-1

; Sequence 1, Application PC/TUS9309945

; GENERAL INFORMATION:

; APPLICANT:

; TITLE OF INVENTION: Cyclin Complex Rearrangement and Uses Related

; TITLE OF INVENTION: Thereto

; NUMBER OF SEQUENCES: 4

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII(text)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: PCT/US93/09945

; FILING DATE:

; PRIOR APPLICATION DATA:

```
; APPLICATION NUMBER: US 07/963,308
; FILING DATE: 16-OCT-1992
; PRIOR APPLICATION DATA: US 07/991,997
; FILING DATE: 17-DEC-1992
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1089 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 13..888
PCT-US93-09945-1

Query Match 1.4%; Score 17; DB 5; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 949 CTGCCTACTCAAGGAGC 965
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 45
US-09-566-921-66
; Sequence 66, Application US/09566921
; Patent No. 6682888
; GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.
; APPLICANT: Tingley, Debra W.
; APPLICANT: Edwards, Carla M.
; TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
; FILE REFERENCE: PA-0024 US
; CURRENT APPLICATION NUMBER: US/09/566,921
; CURRENT FILING DATE: 2000-05-05
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PERL Program
; SEQ ID NO 66
; LENGTH: 1747
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6682888 244561.6
US-09-566-921-66

Query Match 1.4%; Score 17; DB 4; Length 1747;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 106 AGAATCCCTAAGAGCA 122
Db 303 AGAATCCCTAAGAGCA 319

RESULT 46
US-08-765-899C-1
; Sequence 1, Application US/08765899C
; Patent No. 6136572
; GENERAL INFORMATION:
; APPLICANT: BENATTI, Luca
; APPLICANT: BRETON, Jerome
; APPLICANT: SPECIALE, Carmela
; APPLICANT: OKUNO, Etsuo
; APPLICANT: SCHWARCZ, Robert
; APPLICANT: MOSCA, Monica
; TITLE OF INVENTION: RECOMBINANT KAT ENZYME AND
; TITLE OF INVENTION: PROCESS FOR ITS PREPARATION
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:

PCT-US95-07855-1
; Sequence 1, Application PC/TUS9507855
; GENERAL INFORMATION:
; APPLICANT: BENATTI, Luca
; APPLICANT: BRETON, Jerome
; APPLICANT: SPECIALE, Carmela
; APPLICANT: OKUNO, Etsuo
; APPLICANT: SCHWARCZ, Robert
; APPLICANT: MOSCA, Monica
; TITLE OF INVENTION: RECOMBINANT KAT ENZYME AND
; TITLE OF INVENTION: PROCESS FOR ITS PREPARATION
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 PENNSYLVANIA AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07855
; FILING DATE: 23-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; TELECOMMUNICATION INFORMATION:

Query Match 1.4%; Score 17; DB 3; Length 1748;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 903 TCCAGGCCCTGGTGGAC 919
Db 345 TCCAGGCCCTGGTGGAC 361

RESULT 47
PCT-US95-07855-1
; Sequence 1, Application PC/TUS9507855
; GENERAL INFORMATION:
; APPLICANT: BENATTI, Luca
; APPLICANT: BRETON, Jerome
; APPLICANT: SPECIALE, Carmela
; APPLICANT: OKUNO, Etsuo
; APPLICANT: SCHWARCZ, Robert
; APPLICANT: MOSCA, Monica
; TITLE OF INVENTION: RECOMBINANT KAT ENZYME AND
; TITLE OF INVENTION: PROCESS FOR ITS PREPARATION
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 PENNSYLVANIA AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07855
; FILING DATE: 23-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; TELECOMMUNICATION INFORMATION:
```



```
; TELEPHONE: (202) 293-7060
; TELEFAX: (202) 293-7860
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1748 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
PCT-US95-07855-1

Query Match      1.4%; Score 17; DB 5; Length 1748;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 903 TCCAGGCCCTGGTGGAC 919
Db 345 TCCAGGCCCTGGTGGAC 361

RESULT 48
US-09-252-991A-6975
; Sequence 6975, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6975
; LENGTH: 1953
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6975

Query Match      1.4%; Score 17; DB 4; Length 1953;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 692 CTGAGCAGGGAGAAAGC 708
Db 371 CTGAGCAGGGAGAAAGC 387

RESULT 49
US-09-252-991A-6727/c
; Sequence 6727, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6727
; LENGTH: 2118
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6727
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Query Match      1.4%; Score 17; DB 4; Length 2118;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 692 CTGAGCAGGGAGAAAGC 708
Db 642 CTGAGCAGGGAGAAAGC 626

RESULT 50
US-08-755-559-2/c
; Sequence 2, Application US/08755559
; Patent No. 5912142
; GENERAL INFORMATION:
; APPLICANT: KAUFMAN, RUSSEL E.
; APPLICANT: SLENTZ-KESLER, KIMBERLY
; TITLE OF INVENTION: GENE PRODUCT OVER EXPRESSED IN CANCER
; TITLE OF INVENTION: CELLS
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,559
; FILING DATE: 22-NOV-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 1579-116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2180 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-755-559-2

Query Match      1.4%; Score 17; DB 2; Length 2180;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 272 GAAGGCCCCCAAGCC 288
Db 1532 GAAGGCCCCCAAGCC 1516

RESULT 51
US-09-210-474-2/c
; Sequence 2, Application US/09210474
; Patent No. 6072034
; GENERAL INFORMATION:
; APPLICANT: KAUFMAN, RUSSEL E.
; APPLICANT: SLENTZ-KESLER, KIMBERLY
; TITLE OF INVENTION: GENE PRODUCT OVER EXPRESSED IN CANCER
; TITLE OF INVENTION: CELLS
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
```

STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/210,474
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/755,559
FILING DATE: 22-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 1579-116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2180 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-210-474-2

Query Match 1.4%; Score 17; DB 3; Length 2180;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 272 GAAGGGCCCCCAAGCC 288
Db 1532 GAAGGGCCCCCAAGCC 1516

RESULT 52
US-09-539-774-2/c
Sequence 2, Application US/09539774
Patent No. 6350615
GENERAL INFORMATION:
APPLICANT: KAUFMAN, RUSSEL E.
APPLICANT: SLENTZ-KESLER, KIMBERLY
TITLE OF INVENTION: GENE PRODUCT OVER EXPRESSED IN CANCER
TITLE OF INVENTION: CELLS
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM: disk
MEDIUM TYPE: Floppy
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/539,774
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/210,474
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.

REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 1579-116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2180 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-539-774-2

Query Match 1.4%; Score 17; DB 4; Length 2180;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 272 GAAGGGCCCCCAAGCC 288
Db 1532 GAAGGGCCCCCAAGCC 1516

RESULT 53
US-09-373-157-5
Sequence 5, Application US/09373157
Patent No. 6416963
GENERAL INFORMATION:
APPLICANT: GRIENINGER, Gerd
APPLICANT: APPELGATE, Dianne
APPLICANT: STOIKE-STEBEN, Lara
TITLE OF INVENTION: NOVEL CLEAVED FRAGMENTS OF FIBRINOGEN
FILE REFERENCE: Sequence ID No. 6416963. 1-7 for 454-24
Patent No. 6416963
CURRENT APPLICATION NUMBER: US/09/373,157
CURRENT FILING DATE: 1999-08-12
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 2648
TYPE: DNA
ORGANISM: Homo sapiens
US-09-373-157-5

Query Match 1.4%; Score 17; DB 4; Length 2648;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1144 CAGCCTGAATGACGAGG 1160
Db 2138 CAGCCTGAATGACGAGG 2154

RESULT 54
US-09-566-921-3/c
Sequence 3, Application US/09566921
Patent No. 6682888
GENERAL INFORMATION:
APPLICANT: LORING, Jeanne P.
APPLICANT: TINGLEY, Debora M.
APPLICANT: EDWARDS, Carla M.
TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
FILE REFERENCE: PA-0024 US
CURRENT APPLICATION NUMBER: US/09/566,921
CURRENT FILING DATE: 2000-05-05
NUMBER OF SEQ ID NOS: 138
SOFTWARE: PERL Program
SEQ ID NO 3
LENGTH: 2666
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature

; OTHER INFORMATION: Incyte ID No. 6682888 232838.13
US-09-566-921-3

Query Match 1.4%; Score 17; DB 4; Length 2666;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TCCTCATCCGGGAGAGC 766
Db 902 TCCTCATCCGGGAGAGC 886

RESULT 55
US-09-252-991A-6767/c
; Sequence 6767, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6767
; LENGTH: 2856
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6767

Query Match 1.4%; Score 17; DB 4; Length 2856;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 692 CTGAGCAGGAGAAAGC 708
Db 1394 CTGAGCAGGAGAAAGC 1378

RESULT 56
US-09-179-558-54
; Sequence 54, Application US/09179558
; Patent No. 6180612
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; APPLICANT: Muthuswami, Rohini
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TARGETING DNA METABOLIC PROCESSES USING
; TITLE OF INVENTION: AMINOGLYCOSIDE DERIVATIVES
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/179,558
; FILING DATE: 27-OCT-1998
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 09/060,470
; FILING DATE: 15-APR-1998

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2874 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
US-09-179-558-54

Query Match 1.4%; Score 17; DB 3; Length 2874;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCACGAGAAG 420
Db 781 AGTCTGCCACGAGAAG 797

RESULT 57
US-09-722-825-54
; Sequence 54, Application US/09722825
; Patent No. 6531306
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; APPLICANT: Muthuswami, Rohini
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TARGETING DNA METABOLIC PROCESSES USING
; TITLE OF INVENTION: AMINOGLYCOSIDE DERIVATIVES
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/722,825
; FILING DATE: 28-NOV-6531306-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2874 base pairs
; TYPE: nucleic acid

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; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-09-722-825-54
    Query Match      1.4%; Score 17; DB 4; Length 2874;
    Best Local Similarity 100.0%; Pred. No. 1.2e+02;
    Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGACGAGAAG 420
Db 781 AGTCTGCCCGACGAGAAG 797

RESULT 58
US-09-722-487-54
; Sequence 54, Application US/09722487
; Patent No. 6537791
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
;
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09722,487
; FILING DATE: 28-No. 6537791-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2874 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-09-722-487-54
    Query Match      1.4%; Score 17; DB 4; Length 2874;
    Best Local Similarity 100.0%; Pred. No. 1.2e+02;
    Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGACGAGAAG 420
Db 781 AGTCTGCCCGACGAGAAG 797

RESULT 59
US-09-722-708-54
; Sequence 54, Application US/09722708
; Patent No. 6573060
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; Muthuswami, Rohini
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
;
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09722,708
; FILING DATE: 28-No. 6573060-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2874 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-09-722-708-54
    Query Match      1.4%; Score 17; DB 4; Length 2874;
    Best Local Similarity 100.0%; Pred. No. 1.2e+02;
    Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGACGAGAAG 420
Db 781 AGTCTGCCCGACGAGAAG 797

RESULT 60
US-09-179-558-61
; Sequence 61, Application US/09179558
; Patent No. 6180612
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; Muthuswami, Rohini
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
;
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09722,487
; FILING DATE: 28-No. 6537791-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2874 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-09-722-487-54
    Query Match      1.4%; Score 17; DB 4; Length 2874;
    Best Local Similarity 100.0%; Pred. No. 1.2e+02;
    Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGACGAGAAG 420
Db 781 AGTCTGCCCGACGAGAAG 797
```

```
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/179,558
; FILING DATE: 27-OCT-1998
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 09/060,470
; FILING DATE: 15-APR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3059 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; US-09-179-558-61

Query Match 1.4%; Score 17; DB 3; Length 3059;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGACGAGAAG 420
Db 966 AGTCTGCCCGACGAGAAG 982

RESULT 61
US-09-722-825-61
; Sequence 61, Application US/09722825
; Patent No. 6531306
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; Muthuswami, Rohini
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/722,825
; FILING DATE: 28-NOV-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 61:
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3059 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; SEQUENCE DESCRIPTION: SEQ ID NO: 61:
; US-09-722-825-61

Query Match 1.4%; Score 17; DB 4; Length 3059;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGACGAGAAG 420
Db 966 AGTCTGCCCGACGAGAAG 982

RESULT 62
US-09-722-487-61
; Sequence 61, Application US/09722487
; Patent No. 6537791
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; Muthuswami, Rohini
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/722,487
; FILING DATE: 28-NOV-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 61:
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SEQUENCE CHARACTERISTICS:
LENGTH: 3059 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Other
SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-722-487-61

Query Match 1.4%; Score 17; DB 4; Length 3059;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCGACGAG 420
Db 966 AGTCTGCCGACGAG 982

RESULT 63
US-09-722-708-61
; Sequence 61, Application US/09722708
; Patent No. 6573060
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; Muthuswami, Rohini
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/722,708
; FILING DATE: 28-Nov. 6573060-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3059 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-722-708-61

Query Match 1.4%; Score 17; DB 4; Length 3059;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCGACGAG 420

Db 966 AGTCTGCCGACGAG 982

RESULT 64
US-09-620-312D-349/c
; Sequence 349, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Zhou, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; POLYPEPTIDES
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: PC-FL_genes Version 1.0
; SEQ ID NO 349
; LENGTH: 4139
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (260)..(2164)
US-09-620-312D-349

Query Match 1.4%; Score 17; DB 4; Length 4139;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 499 GGCCACAGCGTGGCCC 515
Db 487 GGCCACAGCGTGGCCC 471

RESULT 65
US-08-896-449A-1
; Sequence 1, Application US/08896449A
; Patent No. 6040143
; GENERAL INFORMATION:
; APPLICANT: Venta, Patrick J
; APPLICANT: Yuzbasiyan-Gurkan, Vilma
; APPLICANT: Schall, William D
; APPLICANT: Brewer, George J
; TITLE OF INVENTION: DNA ENCODING CANINE VON WILLEBRAND
; TITLE OF INVENTION: FACTOR AND METHODS OF USE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: 5445 Corporate Drive
; CITY: Troy
; STATE: Michigan
; COUNTRY: USA

```
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 8802
; TYPE: DNA
; ORGANISM: Canis familiaris
US-09-132-652-1

Query Match          1.4%; Score 17; DB 3; Length 8802;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      136 CCATCCCTGGGTACAA 152
        |||
DB       6815 CCATCCCTGGGTACAA 6831

RESULT 67
US-09-534-638-1/c
; Sequence 1, Application US/09534638
; Patent No. 6320038
; GENERAL INFORMATION:
; APPLICANT: Panula, Pertti A.J.
; APPLICANT: Brandt, Annika
; APPLICANT: Westerlund, Johanna
; TITLE OF INVENTION: Promoter for Neuropeptide FF Promoter and use thereof
; FILE REFERENCE: 2530-104
; CURRENT APPLICATION NUMBER: US/09/534,638
; CURRENT FILING DATE: 2000-03-27
; EARLIER APPLICATION NUMBER: 09/365755
; EARLIER FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 9840
; TYPE: DNA
; ORGANISM: Mouse
US-09-534-638-1

Query Match          1.4%; Score 17; DB 4; Length 9840;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      376 CTGAGTGCTCTGCTGAG 392
        |||
DB       1838 CTGAGTGCTCTGCTGAG 1822

RESULT 68
US-09-453-702B-62
; Sequence 62, Application US/09453702B
; Patent No. 6365723
; GENERAL INFORMATION:
; APPLICANT: Blattner, Frederick R.
; APPLICANT: Burland, Valerie
; APPLICANT: Perna, Nicole T.
; APPLICANT: Plunkett, Guy
; APPLICANT: Welch, Rod
; TITLE OF INVENTION: No. 6365723el Sequences of E. coli O157
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch. 1.44Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 8.0
; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/09/453,702B
; FILING DATE: 03-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/110,955
; FILING DATE: 04-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 960296.95017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 251-5000
; TELEFAX: (608) 251-9166
; INFORMATION FOR SEQ ID NO: 62:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 61663
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 62:
US-09-453-702B-62

Query Match 1.4%; Score 17; DB 4; Length 61663;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 921 ATTACTCTGAGCTGGCG 937
DB 49996 ATTACTCTGAGCTGGCG 49912

RESULT 69
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 1.4%; Score 17; DB 3; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 567 AGCCATTGACCATCGTC 583
DB 155 AGCCATTGACCATCGTC 171

RESULT 70
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.

```

```

; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 1.4%; Score 17; DB 3; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 567 AGCCATTGACCATCGTC 583
DB 155 AGCCATTGACCATCGTC 171

RESULT 71
US-09-404-417A-8/C
; Sequence 8, Application US/09404417A
; Patent No. 6627729
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Deisher, Theresa A.
; APPLICANT: Jaspers, Stephen R.
; TITLE OF INVENTION: TML PEPTIDES
; FILE REFERENCE: 97-04CI
; CURRENT APPLICATION NUMBER: US/09/404,417A
; CURRENT FILING DATE: 1999-09-23
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: OLIGONUCLEOTIDE
US-09-404-417A-8

Query Match 1.4%; Score 16; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 296 GTCCAGCCAGCATG 311
DB 16 GTCCAGCCAGCATG 1

RESULT 72
US-09-833-381-378/C
; Sequence 378, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 378
; LENGTH: 211

```



```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-381-378

Query Match      1.4%; Score 16; DB 4; Length 211;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 628 CAGAGAGTATAACATC 643
Db 120 CAGAGAGTATAACATC 105

RESULT 73
US-09-602-877A-93
; Sequence 93, Application US/09602877A
; Patent No. 6432707
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.446C5
; CURRENT APPLICATION NUMBER: US/09/602,877A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 93
; LENGTH: 251
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-602-877A-93

Query Match      1.4%; Score 16; DB 4; Length 251;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GCCTGTGTCTCTGTGA 39
Db 92 GCCTGTGTCTCTGTGA 107

RESULT 74
US-09-071-710-9/c
; Sequence 9, Application US/09071710
; Patent No. 6130043
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: HODGES, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:

; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,710
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,713
; FILING DATE: 02-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083-US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 265 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-071-710-9

Query Match      1.4%; Score 16; DB 3; Length 265;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GCCTGTGTCTCTGTGA 39
Db 141 GCCTGTGTCTCTGTGA 126

RESULT 75
US-09-525-397-9/c
; Sequence 9, Application US/09525397
; Patent No. 6252047
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:
```

ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 265 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-525-397-9

Query Match 1.4%; Score 16; DB 3; Length 265;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GCCTGTCTCTCTGTA 39
DB 141 GCCTGTCTCTCTGTA 126

RESULT 76
US-09-621-976-16442
Sequence 16442, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.

TITLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16442
LENGTH: 278
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 114
OTHER INFORMATION: n=a, g, c or t

Query Match 1.4%; Score 16; DB 4; Length 278;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 739 TGGAGGGGCGCTTCCTC 754
DB 230 TGGAGGGGCGCTTCCTC 245

RESULT 77
US-09-313-294A-3534/c
Sequence 3534, Application US/09313294A
Patent No. 6476212
GENERAL INFORMATION:
APPLICANT: Lalgudi, Raghunath V.
APPLICANT: Ito, Laura Y.
APPLICANT: Sherman, Bradley K.
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
FILE REFERENCE: PL-0017 US
CURRENT APPLICATION NUMBER: US/09/313,294A
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 7600
SOFTWARE: PERL Program
SEQ ID NO 3534

LENGTH: 283
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. 6476212 700611809H1
US-09-313-294A-3534

Query Match 1.4%; Score 16; DB 4; Length 283;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 163 GCACAGACAGTCTGAG 178
DB 176 GCACAGACAGTCTGAG 161

RESULT 78
US-09-071-710-10/c
Sequence 10, Application US/09071710
Patent No. 6130043
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,710
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,713
FILING DATE: 02-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 288 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: base polymorphism
LOCATION: 147

OTHER INFORMATION: /note= " N' represents an A or G or
OTHER INFORMATION: T or C polymorphism at this position"
US-09-071-710-10

Query Match 1.4%; Score 16; DB 3; Length 288;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GCCTGTGTCCTCTGTGA 39
|||||
Db 62 GCCTGTGTCCTCTGTGA 47

RESULT 79
US-525-397-10/c
; Sequence 10, Application US/09525337
; Patent No. 6252047
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 288 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: base polymorphism
; LOCATION: 147
; OTHER INFORMATION: /note= " N' represents an A or G or
; OTHER INFORMATION: T or C polymorphism at this position"
US-09-525-397-10

Query Match 1.4%; Score 16; DB 3; Length 288;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GCCTGTGTCCTCTGTGA 39
|||||
Db 62 GCCTGTGTCCTCTGTGA 47

RESULT 80
US-08-235-838-9/c
; Sequence 9, Application US/08235838
; Patent No. 5571894
; GENERAL INFORMATION:
; APPLICANT: Wels, Winfried S.
; APPLICANT: Hynes, Nancy E.
; APPLICANT: Harwerth, Ina-Maria
; APPLICANT: Groner, Bernd
; APPLICANT: Hardman, No. 5571894man
; APPLICANT: Zwickl, Markus
; TITLE OF INVENTION: Recombinant Antibodies Specific for a
; TITLE OF INVENTION: Growth Factor Receptor
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/235,838
; FILING DATE: TBA
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/828,832
; FILING DATE: 31-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 91-810079.3
; FILING DATE: 05-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
; REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919)541-8614
; TELEFAX: (919)541-8689
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 310 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mouse
; INDIVIDUAL ISOLATE: E. coli
; IMMEDIATE SOURCE:
; CLONE: pMW15-VL51-1
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..310
; OTHER INFORMATION: /note= "1-18 partial seq. of
; OTHER INFORMATION: VKIBACK primer region; 64-96 CDR1L; 142-162 CDR2L;
; OTHER INFORMATION: 259-282 CDR3L; 292-310 partial seq. of VKI FOR
; OTHER INFORMATION: primer region

US-08-235-838-9/c
; Sequence 9, Application US/08235838
; Patent No. 5571894
; GENERAL INFORMATION:
; APPLICANT: Wels, Winfried S.
; APPLICANT: Hynes, Nancy E.
; APPLICANT: Harwerth, Ina-Maria
; APPLICANT: Groner, Bernd
; APPLICANT: Hardman, No. 5571894man
; APPLICANT: Zwickl, Markus
; TITLE OF INVENTION: Recombinant Antibodies Specific for a
; TITLE OF INVENTION: Growth Factor Receptor
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/235,838
; FILING DATE: TBA
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/828,832
; FILING DATE: 31-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 91-810079.3
; FILING DATE: 05-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
; REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919)541-8614
; TELEFAX: (919)541-8689
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 310 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mouse
; INDIVIDUAL ISOLATE: E. coli
; IMMEDIATE SOURCE:
; CLONE: pMW15-VL51-1
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..310
; OTHER INFORMATION: /note= "1-18 partial seq. of
; OTHER INFORMATION: VKIBACK primer region; 64-96 CDR1L; 142-162 CDR2L;
; OTHER INFORMATION: 259-282 CDR3L; 292-310 partial seq. of VKI FOR
; OTHER INFORMATION: primer region

US-08-235-838-9

Query Match 1.4%; Score 16; DB 1; Length 310;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 586 TGAGGATGGAGACTGG 601

Db 24 TGAGGATGGAGACTGG 9

RESULT 81

US-08-465-473B-9/c
; Sequence 9, Application US/08465473B
; Patent No. 5939531

; GENERAL INFORMATION:

; APPLICANT: Wells, Winfried S.
; APPLICANT: Hynes, Nancy E.
; APPLICANT: Harwerth, Ina-Maria
; APPLICANT: Groner, Bernd
; APPLICANT: Hardman, No. 5939531man
; APPLICANT: Zwickl, Markus
; TITLE OF INVENTION: Recombinant Antibodies Specific for a
; TITLE OF INVENTION: Growth Factor Receptor
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: NOVARTIS Corporation
; STREET: 564 Morris Avenue
; CITY: Summit
; STATE: New Jersey
; COUNTRY: USA

; ZIP: 07901-6940

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION NUMBER: US/08/465,473B

; FILING DATE: 5 June 1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/828,832

; FILING DATE: 31-JAN-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: GB 91-810079.3

; FILING DATE: 05-FEB-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Pfeiffer, Henna J.

; REGISTRATION NUMBER: 22,640

; REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (908)522 6940

; TELEFAX: (908)522 6955

; INFORMATION FOR SEQ ID NO: 9:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 310 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; ORIGINAL SOURCE:

; ORGANISM: Mouse

; INDIVIDUAL ISOLATE: E. coli

; IMMEDIATE SOURCE:

; CLONE: pwm15-VL51-1

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: 1..310

; OTHER INFORMATION: /note= "1-18 partial seq. of

; OTHER INFORMATION: VKIBACK primer region; 64-96 CDR1L; 142-162 CDR2L;

; OTHER INFORMATION: 259-282 CDR3L; 292-310 partial seq. of VKLIFOR
; OTHER INFORMATION: primer region
US-08-465-473B-9

Query Match 1.4%; Score 16; DB 2; Length 310;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 586 TGAGGATGGAGACTGG 601

Db 24 TGAGGATGGAGACTGG 9

RESULT 82

US-08-888-366-21/c
; Sequence 21, Application US/08888366
; Patent No. 5972656

; GENERAL INFORMATION:

; APPLICANT: Lopez, Osvaldo

; APPLICANT: Wylie, Dwane E.

; APPLICANT: Wagner, Fred W.

; TITLE OF INVENTION: Mercury Binding Polypeptides and Nucleotides Coding Therefore

; NUMBER OF SEQUENCES: 39

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merchant & Gould

; STREET: 90 South 7th Street, 3100 No. 5972656west Ctr.

; CITY: Minneapolis

; STATE: MN

; COUNTRY: USA

; ZIP: 55402

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/888,366

; FILING DATE: 03-JUL-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/187,407

; FILING DATE: 27-JAN-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/990,542

; FILING DATE: 14-DEC-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/493,299

; FILING DATE: 14-MAR-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/324,392

; FILING DATE: 14-MAR-1989

; ATTORNEY/AGENT INFORMATION:

; NAME: Carter, Charles G.

; REGISTRATION NUMBER: 35,093

; REFERENCE/DOCKET NUMBER: 8648.39USC1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 612-332-5300

; TELEFAX: 612-332-9081

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 321 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; ORIGINAL SOURCE:

; STRAIN: Light chain variable region for monoclonal

; STRAIN: antibody 23F8

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 1..321

; OTHER INFORMATION:

; OTHER INFORMATION: US-08-888-366-21

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Query Match      1.4%; Score 16; DB 2; Length 321;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 586 TCAGGATCGAGACTGG 601
Db 30 TCAGGATCGAGACTGG 15

RESULT 83
US-09-641-638-433/c
; Sequence 433, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CPI
; CURRENT APPLICATION NUMBER: US 09/641,638
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 433
; LENGTH: 352
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 222
; OTHER INFORMATION: 10-40-222 : polymorphic base A or G
; NAME/KEY: misc binding
; LOCATION: 202..221
; OTHER INFORMATION: 10-40-222.mis1, potential
; NAME/KEY: misc binding
; LOCATION: 223..241
; OTHER INFORMATION: 10-40-222.mis2, complement
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 335..352
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc binding
; LOCATION: 210..234
; OTHER INFORMATION: 10-40-222 potential probe
US-09-641-638-433

Query Match      1.4%; Score 16; DB 4; Length 352;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 896 CCTCACTCCAGGCC 911
Db 207 CCTCACTCCAGGCC 192

RESULT 84
US-09-641-638-434/c
; Sequence 434, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
```

```
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CPI
; CURRENT APPLICATION NUMBER: US 09/641,638
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 434
; LENGTH: 352
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 250
; OTHER INFORMATION: 10-40-252 : polymorphic base C or T
; NAME/KEY: misc binding
; LOCATION: 230..249
; OTHER INFORMATION: 10-40-252.mis1, potential
; NAME/KEY: misc binding
; LOCATION: 251..270
; OTHER INFORMATION: 10-40-252.mis2, potential complement
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 335..352
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc binding
; LOCATION: 238..262
; OTHER INFORMATION: 10-40-252 potential probe
US-09-641-638-434

Query Match      1.4%; Score 16; DB 4; Length 352;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 896 CCTCACTCCAGGCC 911
Db 207 CCTCACTCCAGGCC 192

RESULT 85
US-09-621-976-18404/c
; Sequence 18404, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 18404
; LENGTH: 391
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18404

Query Match      1.4%; Score 16; DB 4; Length 391;
```

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Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1132 CAGCTTCTACATCAGC 1147
Db 294 CAGCTTCTACATCAGC 279

RESULT 86
US-09-489-039A-3397
; Sequence 3397, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 3397
; LENGTH: 399
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-3397

Query Match 1.4%; Score 16; DB 4; Length 399;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 541 GCCCGAGCTGCGCTG 556
Db 105 GCCCGAGCTGCGCTG 120

RESULT 87
US-09-564-329A-10/C
; Sequence 10, Application US/09564329A
; Patent No. 6541212
; GENERAL INFORMATION:
; APPLICANT: Reiter, Robert E.
; APPLICANT: Witte, Owen N.
; APPLICANT: Saffran, Douglas C.
; TITLE OF INVENTION: PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF
; FILE REFERENCE: 30435.54US14
; CURRENT APPLICATION NUMBER: US/09/564,329A
; CURRENT FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: 09/359,326
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 08/814,279
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: 60/071,141
; PRIOR FILING DATE: 1998-01-12
; PRIOR APPLICATION NUMBER: 60/074,675
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 60/113,230
; PRIOR FILING DATE: 1998-12-21
; PRIOR APPLICATION NUMBER: 60/120,536
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: 60/124,658
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: 09/038,261
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 09/203,939
; PRIOR FILING DATE: 1998-12-02
; PRIOR APPLICATION NUMBER: 09/251,835
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: 09/308,503
; PRIOR FILING DATE: 1999-05-25
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 10
; LENGTH: 408
; TYPE: DNA
; ORGANISM: SCID Mice
US-09-564-329A-10

Query Match 1.4%; Score 16; DB 4; Length 408;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 900 CACTCCAGGCCCTGGT 915
Db 179 CACTCCAGGCCCTGGT 164

RESULT 88
US-08-822-028-62
; Sequence 62, Application US/08822028
; Patent No. 5993813
; GENERAL INFORMATION:
; APPLICANT: MEZES, PETER S
; APPLICANT: GOURLIE, BRIAN B
; APPLICANT: RIXON, MARK W
; APPLICANT: ANDERSON, WH KERR
; APPLICANT: KAPLAN, DONALD A
; APPLICANT: SCHOLON, JEFFREY
; TITLE OF INVENTION: A NOVEL FAMILY OF HIGH AFFINITY,
; MODIFIED ANTIBODIES FOR CANCER TREATMENT
; NUMBER OF SEQUENCES: 74
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DUANE C ULMER
; STREET: P.O. BOX 1967
; CITY: MIDLAND
; STATE: MICHIGAN
; COUNTRY: USA
; ZIP: 48641-1967
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,028
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/040,687
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: ULMER, DUANE C
; REGISTRATION NUMBER: 34,941
; REFERENCE/DOCKET NUMBER: C-37,075C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (517) 636-8104
; INFORMATION FOR SEQ ID NO: 62:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 423 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
US-08-822-028-62

Query Match 1.4%; Score 16; DB 2; Length 423;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 157 CTGACTGCAGACAGAT 172
Db 283 CTGACTGCAGACAGAT 298

RESULT 89
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US-08-479-285-62
; Sequence 62, Application US/08479285
; Patent No. 6207815
; GENERAL INFORMATION:
; APPLICANT: MEZES, PETER S
; APPLICANT: GOURLIE, BRIAN B
; APPLICANT: RIXON, MARK W
; APPLICANT: ANDERSON, WH KERR
; APPLICANT: KAPLAN, DONALD A
; APPLICANT: SCHOLOM, JEFFREY
; TITLE OF INVENTION: A NOVEL FAMILY OF HIGH AFFINITY,
; MODIFIED ANTIBODIES FOR CANCER TREATMENT
; TITLE OF INVENTION: MODIFIED ANTIBODIES FOR CANCER TREATMENT
; NUMBER OF SEQUENCES: 74
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DUANE C ULMER
; STREET: P.O. BOX 1967
; CITY: MIDLAND
; STATE: MICHIGAN
; COUNTRY: USA
; ZIP: 48641-1967
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,285
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION NUMBER: US 08/040687
; FILING DATE: 31-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: ULMER, DUANE C
; REGISTRATION NUMBER: 34,941
; REFERENCE/DOCKET NUMBER: C-37,075C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (517) 636-8104
; INFORMATION FOR SEQ ID NO: 62:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 423 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
US-08-479-285-62

Query Match 1.4%; Score 16; DB 3; Length 423;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 157 CTGACTGCAGACAGAT 172
Db 283 CTGACTGCAGACAGAT 298
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RESULT 90
US-09-503-653A-62
; Sequence 62, Application US/09503653A
; Patent No. 6641999
; GENERAL INFORMATION:
; APPLICANT: Mezes, Peter S
; APPLICANT: Gourlie, Brian B
; APPLICANT: Rixon, Mark W
; APPLICANT: Anderson, WH Kerr
; APPLICANT: Kaplan, Donald A
; APPLICANT: Schlom, Jeffrey
; TITLE OF INVENTION: Probing Method for Identifying Antibodies
; TITLE OF INVENTION: Specific for Selected Antigens
; FILE REFERENCE: 37075H-C1P1
; CURRENT APPLICATION NUMBER: US/09/503,653A
; CURRENT FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: US 08/040,687

PRIOR FILING DATE: 1993-03-31
; PRIOR APPLICATION NUMBER: US 07/424,362
; PRIOR FILING DATE: 1989-10-19
; PRIOR APPLICATION NUMBER: US 07/261,942
; PRIOR FILING DATE: 1988-10-24
; PRIOR APPLICATION NUMBER: US 07/259,943
; PRIOR FILING DATE: 1988-10-19
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: MICROSOFT Word 97 SR-2
; SEQ ID NO 62
; LENGTH: 423
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: V-segment
; LOCATION: 1..423
; OTHER INFORMATION: Partial sequence of cDNA to VhATAG-analog mRNA from hybridoma AHC
US-09-503-653A-62

Query Match 1.4%; Score 16; DB 4; Length 423;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 157 CTGACTGCAGACAGAT 172
Db 283 CTGACTGCAGACAGAT 298
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RESULT 91
US-09-042-353-360/c
; Sequence 360, Application US/09042353
; Patent No. 6255458
; GENERAL INFORMATION:
; APPLICANT: Lomberg, Nils
; APPLICANT: Kay, Robert M.
; TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for
; Producing Heterologous Antibodies
; NUMBER OF SEQUENCES: 421
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,353
; FILING DATE: 13-MAR-1998
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/810,279
; FILING DATE: 17-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/853,408
; FILING DATE: 18-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/904,068
; FILING DATE: 23-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/990,860
; FILING DATE: 16-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/053,131
; FILING DATE: 26-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/096,762
; FILING DATE: 22-JUL-1993
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US96/16433
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/758,417
FILING DATE: 02-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/21803
FILING DATE: 01-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 014643-009040US
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 360:
SEQUENCE CHARACTERISTICS:
LENGTH: 439 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-09-042-353-360

Query Match 1.4%; Score 16; DB 3; Length 439;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 586 TGAGGATGGAGACTGG 601
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Db 96 TGAGGATGGAGACTGG 81

RESULT 92
US-08-758-417A-208/c
Sequence 208, Application US/08758417A
Patent No. 6300129
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
Key, Robert M.
TITLE OF INVENTION: Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 417
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,417A
FILING DATE: 02-DEC-1996
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 208:
SEQUENCE CHARACTERISTICS:
LENGTH: 439 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 208:
US-08-758-417A-208

Query Match 1.4%; Score 16; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 586 TGAGGATGGAGACTGG 601
|||
Db 96 TGAGGATGGAGACTGG 81

RESULT 93
US-09-621-976-10604
Sequence 10604, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 10604
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

; NAME/KEY: misc_feature
; LOCATION: 474_feature
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-10604

Query Match 1.4%; Score 16; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1012 CCTACCTGTGACTGTG 1027
|||||
Db 106 CCTACCTGTGACTGTG 121

RESULT 94
US-09-621-976-2590/c
; Sequence 2590, Application US/09621976
; Patent No. 6839083
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 2590
; LENGTH: 497
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 214..456
US-09-621-976-2590

Query Match 1.4%; Score 16; DB 4; Length 497;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 966 CCTGTGTCTCTGCAGAG 981
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Db 281 CCTGTGTCTCTGCAGAG 266

RESULT 95
US-09-252-991A-1532
; Sequence 1532, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1532
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1532

Query Match 1.4%; Score 16; DB 4; Length 546;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 906 AGCCCTGTGTGGACCA 921

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Db 379 AGCCCTGTGTGGACCA 394

RESULT 96
US-09-328-352-491/c
; Sequence 491, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 491
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-491

Query Match 1.4%; Score 16; DB 4; Length 579;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 384 TCTGCTGAGGACCAAT 399
|||||
Db 229 TCTGCTGAGGACCAAT 214

RESULT 97
US-09-252-991A-11119
; Sequence 1119, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1119
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-11119

Query Match 1.4%; Score 16; DB 4; Length 594;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 506 GCCGTGGCCCTGGGCA 521
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Db 349 GCCGTGGCCCTGGGCA 364

RESULT 98
US-09-252-991A-12620
; Sequence 12620, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 12620
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12620

Query Match 1.4%; Score 16; DB 4; Length 615;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1057 GGACAGCTCCCTCTG 1072
Db 234 GGACAGCTCCCTCTG 249
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RESULT 99

US-09-252-991A-9984/c
; Sequence 9984, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 9984
; LENGTH: 651
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9984

Query Match 1.4%; Score 16; DB 4; Length 651;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 454 TGTCCAAGGCCAGGGA 469
Db 270 TGTCCAAGGCCAGGGA 255
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RESULT 100

US-09-252-991A-11241
; Sequence 11241, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 11241
; LENGTH: 654
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-11241

Query Match 1.4%; Score 16; DB 4; Length 654;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 506 GCGTGGCCCTGGGCA 521
Db 206 GCGTGGCCCTGGGCA 221
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Search completed: July 25, 2004, 02:26:22
Job time : 117 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 25, 2004, 02:06:17 ; Search time 598 Seconds
(without alignments)

Title: US-09-939-853A-74
 Perfect score: 1183
 Sequence: 1 agctagaggtccaaagacc.....tctcttttgatgatgcctag 1183

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               ~ Gapop 60.0 , Gapext 60.0
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Total number of hits satisfying chosen parameters:

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Minimum DB seq length: 0
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Post-processing: Listing first 300 summaries

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Published Applications NA.*
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9: /cgn2_6/pdata/1/pubnpa/US09A_PUBCOMB.seq.*
10: /cgn2_6/pdata/1/pubnpa/US09B_PUBCOMB.seq.*
11: /cgn2_6/pdata/1/pubnpa/US09C_PUBCOMB.seq.*
12: /cgn2_6/pdata/1/pubnpa/US09_NEW_PUB.seq.*
13: /cgn2_6/pdata/1/pubnpa/US09_NEW_PUB.seq.*
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15: /cgn2_6/pdata/1/pubnpa/US10B_PUBCOMB.seq.*
16: /cgn2_6/pdata/1/pubnpa/US10C_PUBCOMB.seq.*
17: /cgn2_6/pdata/1/pubnpa/US10_NEW_PUB.seq.*
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19: /cgn2_6/pdata/1/pubnpa/US60_PUBCOMB.seq.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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2	1183	100.0	1183	13	US-09-939-8534-76	Sequence 76, Appl	
3	735	62.1	786	15	US-10-043-649-1	Sequence 1, Appl	
4	724	61.2	864	10	US-09-814-353-21302	Sequence 21302, A	
5	657	55.5	763	9	US-09-867-550-953	Sequence 953, App	
6	468	39.6	1413	17	US-10-115-635-120	Sequence 120, App	
7	348	29.4	444	9	US-09-867-550-951	Sequence 951, App	
8	341	28.8	875	9	US-09-867-550-1915	Sequence 1915, Ap	
9	134	11.3	432	9	US-09-864-781-2829	Sequence 2829, Ap	
10	134	11.3	448	9	US-09-864-761-15513	Sequence 15513, A	
11	96	8.1	96	9	US-09-864-761-19612	Sequence 19612, A	
12	87	7.4	320	10	US-09-814-353-17314	Sequence 17314, A	
13	77	6.5	152	10	US-09-814-353-4631	Sequence 4631, App	
14	77	6.5	152	10	US-09-814-353-10930	Sequence 10930, A	

C 88	18	1.5	531	13	US-10-027-632-143162	Sequence 143162,	161	18	1.5	1579	13	US-10-206-924-441	Sequence 441, App
C 89	18	1.5	531	16	US-10-027-632-143161	Sequence 143161,	162	18	1.5	1579	13	US-10-206-924-441	Sequence 441, App
C 90	18	1.5	531	16	US-10-027-632-143162	Sequence 143162,	163	18	1.5	1579	13	US-10-207-914-441	Sequence 441, App
C 91	18	1.5	535	18	US-10-028-386-4315	Sequence 4315, Ap	164	18	1.5	1579	13	US-10-207-921-441	Sequence 441, App
C 92	18	1.5	544	9	US-09-764-853-86	Sequence 86, Appl	165	18	1.5	1579	13	US-10-207-922-441	Sequence 441, App
C 93	18	1.5	561	13	US-10-027-632-282391	Sequence 282391,	166	18	1.5	1579	13	US-10-208-027-441	Sequence 441, App
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ALIGNMENTS

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Matches 1183; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1021	GACTGTGACAGGACACCACTCAACTGGAAGAGCTGGACAGCTCCCTCTGTTTCTGA	1080	QY	481	GGAAGCAGAGAGAACAGCCACAGCCGTGGCCCTGGGAGTTCCTCCGCGAGGTGGCCC	540
QY	1081	AGCTGCCACAGGGAGAGTCTCTCTCAGTGAAGGCTCTCCGGAGTCCCTCAGCTTCTA	1140	Db	703	GGAAGCAGAGAGAACAGCCACAGCCGTGGCCCTGGGAGTTCCTCCGCGAGGTGGCCC	644
Db	1081	AGCTGCCACAGGGAGAGTCTCTCTCAGTGAAGGCTCTCCGGAGTCCCTCAGCTTCTA	1140	QY	541	GGCGAGCTCTGCTGAGACTCGGGAGCCATTGACCATCTCTCTGAGGATGGAGACTG	600
QY	1141	CATCAGCCTGAATGACGAGGCTGTCTCTTTGGATGATGCTAG	1183	Db	643	GGCGAGCTCTGCTGAGACTCGGGAGCCATTGACCATCTCTCTGAGGATGGAGACTG	584
Db	1141	CATCAGCCTGAATGACGAGGCTGTCTCTTTGGATGATGCTAG	1183	QY	601	GTGACCGTGTCTGTGAAGTCTCAGCAGAGAGTATACATCCCAAGGTCACCTGGG	660
RESULT 2							
US-09-939-853A-76/c							
; Sequence 76, Application US/09939853A							
; Publication No. US20040039163A1							
; GENERAL INFORMATION:							
; APPLICANT: Burgess et al.							
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same							
; FILE REFERENCE: 21402-099							
; CURRENT APPLICATION NUMBER: US/09/939,853A							
; PRIOR FILING DATE: 2001-08-27							
; PRIOR APPLICATION NUMBER: 60/228,191							
; PRIOR FILING DATE: 2000-08-25							
; PRIOR APPLICATION NUMBER: 60/267,300							
; PRIOR FILING DATE: 2001-02-08							
; PRIOR APPLICATION NUMBER: 60/269,961							
; PRIOR FILING DATE: 2001-02-20							
; PRIOR APPLICATION NUMBER: 60/277,337							
; PRIOR FILING DATE: 2001-03-20							
; NUMBER OF SEQ ID NOS: 159							
; SOFTWARE: PatentIn Ver. 2.1							
; SEQ ID NO 76							
; LENGTH: 1183							
; TYPE: DNA							
; ORGANISM: Homo sapiens							
US-09-939-853A-76							
Query Match 100.0%; Score 1183; DB 13; Length 1183;							
Best Local Similarity 100.0%; Pred. No. 0;							
Matches 1183; Conservative 0; Mismatches 0; Indels 0; Gaps 0;							
QY	1	AGCTAGAGCTCCAAAGGACCCAGCCCTGTGTCTCTGTGACAGAGCTCAAAAGGCGCCCTGGG	60				
Db	1183	AGCTAGAGCTCCAAAGGACCCAGCCCTGTGTCTCTGTGACAGAGCTCAAAAGGCGCCCTGGG	1124				
QY	61	CTTTCCTCCCTGGCTGGTGTCTTGGAGGGTTCCTCCAGTCCCAAGATCCCTAAGGAG	120				

RESULT 3
US-10-043-649-1
; Sequence 1, Application US/10043649
; Publication No. US20030059924A1
; GENERAL INFORMATION:
; APPLICANT: Holland, Sacha J.
; APPLICANT: Mendenhall, Marcy K.
; APPLICANT: Pardo, Jorge
; APPLICANT: Spencer, Collin
; APPLICANT: Fu, C. Alan
; APPLICANT: Luo, Ying
; APPLICANT: Payan, Donald G.
; APPLICANT: Mancebo, Helena S.Y.
; APPLICANT: Wu, Jun
; APPLICANT: Zhou, Xiulan
; APPLICANT: Shen, Mary
; APPLICANT: Liao, X. Charlene
; APPLICANT: Sheng, Ning
; TITLE OF INVENTION: Cloning of a No. US20030059924A1el Inhibitor of Antigen-receptor
; FILE REFERENCE: Retroviral-based Functional Screen
; CURRENT APPLICATION NUMBER: US/10/043,649
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/260,953
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 786
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(786)
; OTHER INFORMATION:
US-10-043-649-1

Query Match 62.1%; Score 735; DB 15; Length 786;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 785; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 398 ATGGGAAGTCTGCCAGCAGAGAAATCTCTGCCAAGCCCAAGCTTCTGAGTTCTCTGTC 457
Db 1 ATGGGAAGTCTGCCAGCAGAGAAATCTCTGCCAAGCCCAAGCTTCTGAGTTCTCTGTC 60

QY 458 CAAGCCAGGACCTGTGACCATGAAGCAGAGAGAAAGCCACAGCCGTCGCCCTG 517
Db 61 CAAGCCAGGACCTGTGACCATGAAGCAGAGAGAAAGCCACAGCCGTCGCCCTG 120

QY 518 GGCAGTTTCCGGCAGGTGGCCCGCCAGCTGTGCTGAGACTCGGGGAGCCATTGACC 577
Db 121 GGCAGTTTCCGGCAGGTGGCCCGCCAGCTGTGCTGAGACTCGGGGAGCCATTGACC 180

QY 578 ATCGTCTCTGAGATGAGAGCTGTGGACGCTGTCTGAGTCTCAGGAGAGATAT 637
Db 181 ATCGTCTCTGAGATGAGAGCTGTGGACGCTGTCTGAGTCTCAGGAGAGATAT 240

QY 638 RACATCCCGAGCTCCAGTGGGAAAGTCTCCCATGGGTGCTGTATGAGGCTGAGC 697
Db 241 AACATCCCGAGCTCCAGTGGGAAAGTCTCCCATGGGTGCTGTATGAGGCTGAGC 300

QY 698 AGGGAGAAAGCAGAGAACTGTGTGTTACTCTGGAAACCTTGGAGGGCCCTTCTCATC 757
Db 301 AGGGAGAAAGCAGAGAACTGTGTGTTACTCTGGAAACCTTGGAGGGCCCTTCTCATC 360

QY 758 CGGGAGAGCCAGACAGAGAGGCTCTTACTCTCTGTCTGAGTCCGCTCAGCCGCTCGCA 817
Db 361 CGGGAGAGCCAGACAGAGAGGCTCTTACTCTCTGTCTGAGTCCGCTCAGCCGCTCGCA 420

QY 818 TCCTGGACCGGATCAGACACTACAGGATCCACTGCTTGAATGGCTGCTGTATC 877

Db 421 TCCTGGACCGGATCAGACACTACAGGATCCACTGCTTGACATGGCTGGCTGTATC 480
QY 878 TCACCGGCTCACCCTTCCCTCCCTCACCAGCCCTGCTGACCATTAATCTGAGCTGGCG 937
Db 481 TCACCGGCTCACCCTTCCCTCCCTCACCAGCCCTGCTGACCATTAATCTGAGCTGGCG 540
QY 938 GATGACATCTGCTGCCCTTACTCAAGGAGCCCTGTGTCTGAGAGGCTGCGCCGCTCCCT 997
Db 541 GATGACATCTGCTGCCCTTACTCAAGGAGCCCTGTGTCTGAGAGGCTGCGCCGCTCCCT 600
QY 998 GCGAAGATATACCCCTTACTGTGTGCTGAGAGCACCCTCAACTGGAAGAGCTG 1057
Db 601 GCGAAGATATACCCCTTACTGTGTGCTGAGAGCACCCTCAACTGGAAGAGCTG 660
QY 1058 GACAGCTCCCTCCTGTTTCTGAAGCTGCCACAGGAGGAGTCTCTTCTCACTGAGGCT 1117
Db 661 GACAGCTCCCTCCTGTTTCTGAAGCTGCCACAGGAGGAGTCTCTTCTCACTGAGGCT 720
QY 1118 CTGCGGAGTCCCTCAGCTTCTACATCAGCTTCTACATCAGCTTCTCTTTGGATGAT 1177
Db 721 CTGCGGAGTCCCTCAGCTTCTACATCAGCTTCTACATCAGCTTCTCTTTGGATGAT 780
QY 1178 GCCTAG 1183
Db 781 GCCTAG 786

RESULT 4
US-09-814-353-21302
; Sequence 21302, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRL-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21302
; LENGTH: 864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 32, 862, 863, 864
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21302

Query Match 61.2%; Score 724; DB 10; Length 864;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 774; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GCTAGAGCTCCAGGAGCCCAAGCTTCTGTGTGACAGAGCTCAAGGGCCCTGGCG 61
Db 54 GCTAGAGCTCCAGGAGCCCAAGCTTCTGTGTGACAGAGCTCAAGGGCCCTGGCG 113

```
QY 62 CTTCCCTCCCTGGCTGGCTGTGCTGGAGGGTTCCCAAGTCCAGATCCCTAAGGAGC 121
Db 114 CTTCCCTCCCTGGCTGGCTGTGCTGGAGGGTTCCCAAGTCCAGATCCCTAAGGAGC 173
QY 122 ATGGGGCAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCACACAGATGCTGAGCTA 181
Db 174 ATGGGGCAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCACACAGATGCTGAGCTA 233
QY 182 CCCAAACCAACACCTAGACCTCTCCCTGAAAGATCTCTCCAGGCTGAGAGAGTTCTGGGTGT 241
Db 234 CCCAAACCAACACCTAGACCTCTCTCCCTGAAAGATCTCTCCAGGCTGAGAGAGTTCTGGGTGT 293
QY 242 CCTAGACCAAGGACACTGGGAGACTTCCAGAAAGGGCCCCAAAGCCCTTAACCTGTCCAG 301
Db 294 CCTAGACCAAGGACACTGGGAGACTTCCAGAAAGGGCCCCAAAGCCCTTAACCTGTCCAG 353
QY 302 CCAGAGCATGGCTCTCAGCAGAGCTGTCTTCCAAAGCCCTTGTATGACAAACCAATTTCCC 361
Db 354 CCAGAGCATGGCTCTCAGCAGAGCTGTCTTCCAAAGCCCTTGTATGACAAACCAATTTCCC 413
QY 362 TCGATGATGTCTTCTGAGTGTCTCTGCTGAGGAAACAATGGGAGGTCTGCCAGCAGAGA 421
Db 414 TCGATGATGTCTTCTGAGTGTCTCTGCTGAGGAAACAATGGGAGGTCTGCCAGCAGAGA 473
QY 422 AATCTCTGCCAAGCCCAAGCTTGAGTTCTCTGCTCAAGGCCAGGACCTGTGACCAATG 481
Db 474 AATCTCTGCCAAGCCCAAGCTTGAGTTCTCTGCTCAAGGCCAGGACCTGTGACCAATG 533
QY 482 GAAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTGGGCGAGTTTCCCGGCGAGGTGGCCCG 541
Db 534 GAAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTGGGCGAGTTTCCCGGCGAGGTGGCCCG 593
QY 542 GCGAGCTGTCCGTGAGACTCGGGAGCCATTGACCATCGTCTCTGAGGATGAGACTGG 601
Db 594 GCGAGCTGTCCGTGAGACTCGGGAGCCATTGACCATCGTCTCTGAGGATGAGACTGG 653
QY 602 TGACCGCTGTCTGAGTCTCAGCAGAGAGTATAACATCCCGAGGCTCCACGTGGCC 661
Db 654 TGACCGCTGTCTGAGTCTCAGCAGAGAGTATAACATCCCGAGGCTCCACGTGGCC 713
QY 662 AAGTCTCCATGGGTGGTGTATGAGGCCCTGAGCAGGAGAGAGAGAACTGCTG 721
Db 714 AAGTCTCCATGGGTGGTGTATGAGGCCCTGAGCAGGAGAGAGAACTGCTG 773
QY 722 TTGTTACCTGGGAACCTCGAGGGGCTTCTCATCCGGGAGAGCAGACCAAGGA 776
Db 774 TTGTTACCTGGGAACCTCGAGGGGCTTCTCATCCGGGAGAGCAGACCAAGGA 828
```

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RESULT 5
US-09-867-550-953
; Sequence 953, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE OF INVENTION: Thereby
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-953
```

```
Query Match 55.5%; Score 657; DB 9; Length 763;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 757; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 117 GGAGCATGGGGAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCACACAGATGCTG 176
Db 5 GGAGCATGGGGAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCACACAGATGCTG 64
QY 177 AGCTACCCAAACCAACACCTAGCTCTCCCTGAAAGATCTCTCCAGGCTGAGAGAGTTGT 236
Db 65 AGCTACCCAAACCAACACCTAGCTCTCTCCCTGAAAGATCTCTCCAGGCTGAGAGAGTTGT 124
QY 237 GGTGTCTTAGGACCAAGGACACTGGCAGACTTCCAGAAAGGGCCCCAAAGCCCTTAACCTG 296
Db 125 GATGTCTTAGGACCAAGGACACTGGCAGACTTCCAGAAAGGGCCCCAAAGCCCTTAACCTG 184
QY 297 TCCAGCAGAGCATGGCTCTCAGCAGAGCTGTCTTCCAAAGCCCTTGTATGACAAACCAAT 356
Db 185 TCCAGCAGAGCATGGCTCTCAGCAGAGCTGTCTTCCAAAGCCCTTGTATGACAAACCAAT 244
QY 357 TTCCCTCGATGATGTCTTCTGAGTGTCTCTGCTGAGGAAACAATGGGAGGTCTGCCAGCA 416
Db 245 TTCCCTCGATGATGTCTTCTGAGTGTCTCTGCTGAGGAAACAATGGGAGGTCTGCCAGCA 304
QY 417 GAAGAAATCTCTGCAAGGCCCAAGCTTGTGATTTCTCTCTCAAGGCCAGGACCTGTGA 476
Db 305 GAAGAAATCTCTGCAAGGCCCAAGCTTGTGATTTCTCTCTCAAGGCCAGGACCTGTGA 364
QY 477 CCATGGAAGCAGAGAGAAAGCCACAGCCGTGGCCCTGGGCGAGTTTCCCGGCGAGGTG 536
Db 365 CCATGGAAGCAGAGAGAAAGCCACAGCCGTGGCCCTGGGCGAGTTTCCCGGCGAGGTG 424
QY 537 GCCCGCCGAGCTGTGCTGAGACTCGGGAGCCATTGACCATCGTCTCTGAGGATGGAG 596
Db 425 GCCCGCCGAGCTGTGCTGAGACTCGGGAGCCATTGACCATCGTCTCTGAGGATGGAG 484
QY 597 ACTGGTGGAGCGTGTCTGTAAGTCTCAGGCGAGAGAGTATAACATCCCGAGGCTCCAG 656
Db 485 ACTGGTGGAGCGTGTCTGTAAGTCTCAGGCGAGAGAGTATAACATCCCGAGGCTCCAG 544
QY 657 TGGGCAAGTCTCCCATGGGTGGCTGTATGAGGGCTGAGCAGGAGAGAAAGCAGAGGAAC 716
Db 545 TGGGCAAGTCTCCCATGGGTGGCTGTATGAGGGCTGAGCAGGAGAGAAAGCAGAGGAAC 604
QY 717 TGCTGTTGTTTACCTGGGAACCCCTGGAGGGGCTTCTCATCCGGGAGAGCCAGACAGGA 776
Db 605 TGCTGTTGTTTACCTGGGAACCCCTGGAGGGGCTTCTCATCCGGGAGAGCCAGACAGGA 664
QY 777 GAGGCTTTACTCTCTGTGTCAGTCCGCTCAGCGCCCTGATCTCTGGGAGCCGATCAGAC 836
Db 665 GAGGCTTTACTCTCTGTGTCAGTCCGCTCAGCGCCCTGATCTCTGGGAGCCGATCAGAC 724
QY 837 ACTACAGGATCCACTGCTGCTTGACAAATGGGTGGGTGTACA 875
Db 725 ACTACAGGATCCACTGCTGCTTGACAAATGGGTGGGTGTACA 763
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```
RESULT 6
US-10-415-635-120
; Sequence 120, Application US/10115635
; Publication No. US20040137434A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Zhang, Jie
; APPLICANT: Zhao, Qing A.
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
```


APPLICANT: Wehrman, Tom
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: Novel Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 797CON
CURRENT APPLICATION NUMBER: US/10/115,635
CURRENT FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: 09/714,936
PRIOR FILING DATE: 2000-11-17
NUMBER OF SEQ ID NOS: 362
SOFTWARE: pt-fl_genes version 2.0
SEQ ID NO 120
LENGTH: 1413
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (54)...(686)
US-10-115-635-120

Query Match 39.6%; Score 468; DB 17; Length 1413;
Best Local Similarity 99.6%; Pred. No. 8.1e-229;
Matches 568; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 345 TGACAAACCAATTCCTCGATGATGCTTCTGATGCTCTGCTGAGAGAACATGGGAA 404
Db 1 TGACAAACCAATTCCTCGATGATGCTTCTGATGCTCTGCTGAGAGAACATGGGAG 60
QY 405 GTCTGCCAGCAGAGAAATCTGCCAAGCCCAAGCTTGAGTTCCTCTGTCCAAAGCC 464
Db 61 GTCTGCCAGCAGAGAAATCTGCCAAGCCCAAGCTTGAGTTCCTCTGTCCAAAGCC 120
QY 465 AGGGACCTGTGACCATGGAAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 524
Db 121 AGGGACCTGTGACCATGGAAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 180
QY 525 TCCCGCAGGTGGCCCGCGAGCTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 584
Db 181 TCCCGCAGGTGGCCCGCGAGCTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
QY 585 CTGAGGATGGAGACTGGTGGAGCGGTGCTGCTGAAAGTCTCAGGAGAGAGATATACATCC 644
Db 241 CTGAGGATGGAGACTGGTGGAGCGGTGCTGCTGAAAGTCTCAGGAGAGAGATATACATCC 300
QY 645 CCAGGTCACGTGGGCAAGTCTCCATGGTGGCTGTATGAGGGCTGAGCAGGGAGA 704
Db 301 CCAGGTCACGTGGGCAAGTCTCCATGGTGGCTGTATGAGGGCTGAGCAGGGAGA 360
QY 705 AAGCAGAGAACTGCTGTTGTTTACCTGGAAACCTTGGAGGGGCTTCTCTATCCGGGAGA 764
Db 361 AAGCAGAGAACTGCTGTTGTTTACCTGGAAACCTTGGAGGGGCTTCTCTATCCGGGAGA 420
QY 765 GCCAGACAGGAGAGGCTTTACTCTGTCTAGTCCGCTCAGCGCCCTGCATCCTGGG 824
Db 421 GCCAGACAGGAGAGGCTTTACTCTGTCTAGTCCGCTCAGCGCCCTGCATCCTGGG 480
QY 825 ACCGGATCAGACACTACAGATCCACTGCTGACAAATGGCTGAGTATCCATCTCACCGC 884
Db 481 ACCGGATCAGACACTACAGATCCACTGCTGACAAATGGCTGAGTATCCATCTCACCGC 540
QY 885 GCGTCACCTTCCCTCACTCCAGGCGCCTGG 914
Db 541 GCGTCACCTTCCCTCACTCCAGGCGCCTGG 570

RESULT 7

US-09-867-550-951
Sequence 951, Application US/09867550
Patent No. US20020082206A1
GENERAL INFORMATION:
APPLICANT: Leach, Martin D.
APPLICANT: Mehraban, Fuad,
APPLICANT: Conley, Pamela

APPLICANT: Law, Debbie
APPLICANT: Topper, James
TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
TITLE OF INVENTION: Thereby
FILE REFERENCE: 21402-013 (Cura-313)
CURRENT APPLICATION NUMBER: US/09/867,550
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: USSN 60/208,427
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 2125
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 951
LENGTH: 444
TYPE: DNA
ORGANISM: Homo sapiens
US-09-867-550-951

Query Match 29.4%; Score 348; DB 9; Length 444;
Best Local Similarity 100.0%; Pred. No. 2.3e-167;
Matches 348; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 242 CCTAGGACCAAGGACACTGGCAGACTTCCAGAGGGGCCCAAGCCCTAACCTGTCCAG 301
Db 1 CCTAGGACCAAGGACACTGGCAGACTTCCAGAGGGGCCCAAGCCCTAACCTGTCCAG 60
QY 302 CCAGAGCATCGTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAACCAATTTCCC 361
Db 61 CCAGAGCATCGTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAACCAATTTCCC 120
QY 362 TCGATGATGCTTCTGAGTGTCTCTGAGGACATGGAAGTCTGCCAGCAGAGAGA 421
Db 121 TCGATGATGCTTCTGAGTGTCTCTGAGGACATGGAAGTCTGCCAGCAGAGAGA 180
QY 422 AAATCTCTGCAAGCCCAAGCTTGAAGTTCCTCTGTCAGGCGGAGGACCTGTGACCATG 481
Db 181 AAATCTCTGCAAGCCCAAGCTTGAAGTTCCTCTGTCAGGCGGAGGACCTGTGACCATG 240
QY 482 GAAGCAG 541
Db 241 GAAGCAG 300
QY 542 GCCGAGCTGTGCTGAGACTCGGGGAGCCATTGACCATCTCTCTGAG 589
Db 301 GCCGAGCTGTGCTGAGACTCGGGGAGCCATTGACCATCTCTCTGAG 348

RESULT 8

US-09-867-550-1915
Sequence 1915, Application US/09867550
Patent No. US20020082206A1
GENERAL INFORMATION:
APPLICANT: Leach, Martin D.
APPLICANT: Mehraban, Fuad,
APPLICANT: Conley, Pamela
APPLICANT: Law, Debbie
APPLICANT: Topper, James
TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
TITLE OF INVENTION: Thereby
FILE REFERENCE: 21402-013 (Cura-313)
CURRENT APPLICATION NUMBER: US/09/867,550
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: USSN 60/208,427
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 2125
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1915
LENGTH: 875
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)
OTHER INFORMATION: Wherein n is one of a or t or c or g

US-09-867-550-1915

Query Match 28.8%; Score 341; DB 9; Length 875;
Best Local Similarity 100.0%; Pred. No. 7.9e-164;
Matches 341; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 843 GGATCCACTGCTTGAACATGCTGCTGATCATCTCACCGGCGCTCACTTCCCTCCAC 902
Db 2 GGATCCACTGCTTGAACATGCTGCTGATCATCTCACCGGCGCTCACTTCCCTCCAC 61
Qy 903 TCAGGCGCTTGGTGGACCACTTACTCTGAGCTGGCGATGACATCTGCTGCTTCAAGG 962
Db 62 TCAGGCGCTTGGTGGACCACTTACTCTGAGCTGGCGATGACATCTGCTGCTTCAAGG 121
Qy 963 AGCCCTGTCTCTGAGAGGGCTGGCCCGCTCCCTGGCGAGGATATACCCCTACCTGTGA 1022
Db 122 AGCCCTGTCTCTGAGAGGGCTGGCCCGCTCCCTGGCGAGGATATACCCCTACCTGTGA 181
Qy 1023 CTGTGCGAGGAGCACCACTCAACTGAAAGAGCTGGAGAGCTCCCTCTGTTTCTGAAG 1082
Db 182 CTGTGCGAGGAGCACCACTCAACTGAAAGAGCTGGAGAGCTCCCTCTGTTTCTGAAG 241
Qy 1083 CTGCCACAGGAGGAGTCTTCTCAGTGGGTCTCGGAGTCCCTCAGCTTCTACA 1142
Db 242 CTGCCACAGGAGGAGTCTTCTCAGTGGGTCTCGGAGTCCCTCAGCTTCTACA 301
Qy 1143 TCAGCTGATGACGAGGCTGCTCTTCTTGGATGATGCTTAG 1183
Db 302 TCAGCTGATGACGAGGCTGCTCTTGGATGATGCTTAG 342

RESULT 9

US-09-864-761-2829
Sequence 2829, Application US/09864761
Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aeomica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
SEQ ID NO 2829
LENGTH: 432
TYPE: DNA
ORGANISM: Homo sapiens

FEATURE:
OTHER INFORMATION: MAP TO AL031662.24
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.4
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.1
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3

US-09-864-761-2829

Query Match 11.3%; Score 134; DB 9; Length 432;

Best Local Similarity 100.0%; Pred. No. 6.5e-58; Length 432;
Matches 134; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 929 GAGCTGGCGGATGACATCTGCTGCTTCAAGAGCCCTGTCTCTGAGAGGGCTGCG 988
Db 270 GAGCTGGCGGATGACATCTGCTGCTTCAAGAGCCCTGTCTCTGAGAGGGCTGCG 329
Qy 989 CCGCTCCCTGGCGAGGATATACCCCTACCTGTGACGTGTCAGAGGACACCCTCACTCG 1048
Db 330 CCGCTCCCTGGCGAGGATATACCCCTACCTGTGACGTGTCAGAGGACACCCTCACTCG 389
Qy 1049 AAAGAGCTGGACAG 1062
Db 390 AAAGAGCTGGACAG 403

RESULT 10

US-09-864-761-15513

Sequence 15513, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aeomica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15513
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031662.24
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.1
; US-09-864-761-15513

Query Match
Best Local Similarity 11.3%; Score 134; DB 9; Length 448;
Matches 134; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 929 GAGTGGCGGATGACATCTGCTGCTCAAGAGCCCTGTCTGCGAGGGCTGGC 988
Db 286 GAGTGGCGGATGACATCTGCTGCTCAAGAGCCCTGTCTGCGAGGGCTGGC 345
QY 989 CGCTCCCTGGCAAGATATACCCCTACTGTGCTGCGAGGACCACTCAACTGG 1048
Db 346 CGCTCCCTGGCAAGATATACCCCTACTGTGCTGCTGCGAGGACCACTCAACTGG 405
QY 1049 AAAGAGCTGGACAG 1062
Db 406 AAAGAGCTGGACAG 419

RESULT 11
US-09-864-761-19612
; Sequence 19612, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aecmics-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 19612
; LENGTH: 96
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031662.24
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3
; OTHER INFORMATION: NT HIT: AF000716.1, EVALUUE 1.70e-01
; OTHER INFORMATION: EST_HUMAN HIT: A1125308.1, EVALUUE 2.10e-01
; US-09-864-761-19612

Query Match
Best Local Similarity 8.1%; Score 96; DB 9; Length 96;
Matches 96; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 967 CTGTGCTCTGCAGAGGCTGGCCCGCTCCCTGGCAAGGATATACCCCTACTGTGACTGT 1026
Db 1 CTGTGCTCTGCAGAGGCTGGCCCGCTCCCTGGCAAGGATATACCCCTACTGTGACTGT 60
QY 1027 GCAGAGGACACCACTCAACTGGAAAGAGCTGGACAG 1062
Db 61 GCAGAGGACACCACTCAACTGGAAAGAGCTGGACAG 96

RESULT 12
US-09-814-353-17314
; Sequence 17314, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND

```

; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17314:
; LENGTH: 320
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-814-353-17314

Query Match 7.4%; Score 87; DB 10; Length 320;
Best Local Similarity 100.0%; Pred. No. 7.5e-34;
Matches 87; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 549 TGTCTCTGAGACTCGGGAGCCATTGACCATCTCTCTGAGGATCGAGACTGTTGGACGG 608
Db 103 TGTCTCTGAGACTCGGGAGCCATTGACCATCTCTCTGAGGATCGAGACTGTTGGACGG 162

QY 609 TCTCTCTGAAGTCTCAGGCAGAGT 635
Db 163 TGTCTCTGAAGTCTCAGGCAGAGT 189

RESULT 13
US-09-814-353-4631
; Sequence 4631, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4631
; LENGTH: 152
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 17, 102, 112
; OTHER INFORMATION: n = A.T.C or G

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; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 141
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide primer
US-09-939-853A-141

Query Match 2.2%; Score 26; DB 13; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.017; Indels 0;
Matches 26; Conservative 0; Mismatches 0; Gaps 0;

Cy 251 AAGGACACTGGCAGACTTCCAGAAGG 276
|||||
Db 26 AAGGACACTGGCAGACTTCCAGAAGG 1

RESULT 16

US-09-939-853A-142
; Sequence 142, Application US/09/939,853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.

; TITLE OF INVENTION: No. US20040039163A1e1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 142
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide primer
US-09-939-853A-142

Query Match 1.9%; Score 22; DB 13; Length 22;
Best Local Similarity 100.0%; Pred. No. 1.9; Indels 0;
Matches 22; Conservative 0; Mismatches 0; Gaps 0;

Cy 224 TGAGAGAGTTCTGGGTCTCCTA 245
|||||
Db 1 TGAGAGAGTTCTGGGTCTCCTA 22

RESULT 17

US-10-062-674-2188/c
; Sequence 2188, Application US/10062674
; Publication No. US2004005559A1

; GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.
; TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS
; FILE REFERENCE: PA-0026-1 CIP
; CURRENT APPLICATION NUMBER: US/10/062,674
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: US 09/625,102
; PRIOR FILING DATE: 2000-07-24
; NUMBER OF SEQ ID NOS: 2217
; SOFTWARE: PERL Program
; SEQ ID NO 2188
; LENGTH: 701
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US2004005559A1 893157.1
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1) ... (701)
; OTHER INFORMATION: a, t, c, g, or other
US-10-062-674-2188

Query Match 1.8%; Score 21; DB 16; Length 701;
Best Local Similarity 100.0%; Pred. No. 3.8; Indels 0;
Matches 21; Conservative 0; Mismatches 0; Gaps 0;

Cy 510 TGGCCCTGGGCAGTTTCCCGG 530
|||||
Db 285 TGGCCCTGGGCAGTTTCCCGG 265

RESULT 18

US-09-939-853A-140/c
; Sequence 140, Application US/09/939,853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.

; TITLE OF INVENTION: No. US20040039163A1e1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 140
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide primer
US-09-939-853A-140

Query Match 1.7%; Score 20; DB 13; Length 20;
Best Local Similarity 100.0%; Pred. No. 21; Indels 0;
Matches 20; Conservative 0; Mismatches 0; Gaps 0;

Cy 282 CAAAGCCCTAACCTGTCCAG 301
|||||
Db 20 CAAAGCCCTAACCTGTCCAG 1

RESULT 19

US-10-027-632-195852/c
; Sequence 195852, Application US/10027632

Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 195852
LENGTH: 611
TYPE: DNA
ORGANISM: Human
US-10-027-632-195852

Query Match 1.7%; Score 20; DB 13; Length 611;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 256 CACTGGCAGACTTCCAGAAG 275
Db 503 CACTGGCAGACTTCCAGAAG 484

RESULT 20
US-10-027-632-195852/c
Sequence 195852, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 195852
LENGTH: 611
TYPE: DNA
ORGANISM: Human
US-10-027-632-195852

Query Match 1.7%; Score 20; DB 16; Length 611;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 256 CACTGGCAGACTTCCAGAAG 275
Db 503 CACTGGCAGACTTCCAGAAG 484

Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 256 CACTGGCAGACTTCCAGAAG 275
Db 503 CACTGGCAGACTTCCAGAAG 484

RESULT 21
US-10-027-632-107077
Sequence 107077, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 107077
LENGTH: 672
TYPE: DNA
ORGANISM: Human
US-10-027-632-107077

Query Match 1.7%; Score 20; DB 13; Length 672;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCTCATCCGGGAGAC 766
Db 71 CCTTCTCATCCGGGAGAC 90

RESULT 22
US-10-027-632-142058
Sequence 142058, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/156,358

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; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142058
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142058

Query Match
Best Local Similarity 1.7%; Score 20; DB 13; Length 672;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCCTCATCCGGGAGGC 766
Db 71 CCTTCCTCATCCGGGAGGC 90

RESULT 23
US-10-027-632-142059
; Sequence 142059, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142059
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142059

Query Match
Best Local Similarity 1.7%; Score 20; DB 13; Length 672;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCCTCATCCGGGAGGC 766
Db 71 CCTTCCTCATCCGGGAGGC 90

RESULT 24
US-10-027-632-142060
; Sequence 142060, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
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; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142060
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142060

Query Match
Best Local Similarity 1.7%; Score 20; DB 13; Length 672;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCCTCATCCGGGAGGC 766
Db 71 CCTTCCTCATCCGGGAGGC 90

RESULT 25
US-10-027-632-107077
; Sequence 107077, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107077
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-107077

Query Match
Best Local Similarity 1.7%; Score 20; DB 16; Length 672;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCCTCATCCGGGAGGC 766
Db 71 CCTTCCTCATCCGGGAGGC 90

RESULT 26
```

US-10-027-632-142058
; Sequence 142058, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142058
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142058

Query Match 1.7%; Score 20; DB 16; Length 672;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
|||||
Db 71 CCTTCCTCATCCGGGAGGC 90

RESULT 27
US-10-027-632-142059
; Sequence 142059, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142059
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142059

Query Match 1.7%; Score 20; DB 16; Length 672;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
|||||
Db 71 CCTTCCTCATCCGGGAGGC 90

RESULT 28
US-10-027-632-142060
; Sequence 142060, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142060
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142060

Query Match 1.7%; Score 20; DB 16; Length 672;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
|||||
Db 71 CCTTCCTCATCCGGGAGGC 90

RESULT 29
US-10-027-632-26286
; Sequence 26286, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23


```
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26286
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-26286
```

```
Query Match 1.7%; Score 20; DB 13; Length 711;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAC 766
DB 72 CCTTCCTCATCCGGGAGAC 91
```

```
RESULT 30
US-10-027-632-26286
; Sequence 26286, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26286
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-26286
```

```
Query Match 1.7%; Score 20; DB 16; Length 711;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAC 766
DB 72 CCTTCCTCATCCGGGAGAC 91
```

```
RESULT 31
US-10-260-238-640
; Sequence 640, Application US/10260238
; Publication No. US20040016025A1
; GENERAL INFORMATION:
; APPLICANT: Budworth, Paul R.
; APPLICANT: Moughamer, Todd G.
; APPLICANT: Briggs, Steven P.
; APPLICANT: Cooper, Bret
; APPLICANT: Grazebrook, Jane
```

```
; APPLICANT: Goff, Stephen A.
; APPLICANT: Katagizi, Fumiaki
; APPLICANT: Kreps, Joel
; APPLICANT: Provart, Nicholas
; APPLICANT: Ricke, Darrell
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: PROMOTERS FOR REGULATION OF PLANT EXPRESSION
; FILE REFERENCE: 60111-NP
; CURRENT APPLICATION NUMBER: US/10/260,238
; CURRENT FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 60/325,448
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/325,277
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/370,620
; PRIOR FILING DATE: 2002-04-04
; NUMBER OF SEQ ID NOS: 6077
; SEQ ID NO 640
; LENGTH: 934
; TYPE: DNA
; ORGANISM: Oryza sativa
```

```
; FEATURE:
; NAME/KEY: N region
; LOCATION: (618)..(618)
; OTHER INFORMATION: n = any nucleotide
; FEATURE:
; NAME/KEY: N region
; LOCATION: (622)..(622)
; OTHER INFORMATION: n = any nucleotide
; FEATURE:
; NAME/KEY: N region
; LOCATION: (816)..(816)
; OTHER INFORMATION: n = any nucleotide
US-10-260-238-640
```

```
Query Match 1.7%; Score 20; DB 16; Length 934;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 538 CCGCGCCGAGCTGCTCGTGA 557
DB 421 CCGCGCCGAGCTGCTCGTGA 440
```

```
RESULT 32
US-09-997-722-234
; Sequence 234, Application US/09997722
; Publication No. US20040072154A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71171/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/997,722
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 234
; LENGTH: 1530
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-997-722-234
```

```
Query Match 1.7%; Score 20; DB 12; Length 1530;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAC 766
```

Db 449 CCTTCCTCATCCGGGAGAGC 468

RESULT 33

US-10-437-963-39229

Sequence 39229, Application US/10437963

Publication No. US20040123343A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kowalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/437,963

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 39229

LENGTH: 1636

TYPE: DNA

ORGANISM: Oryza sativa

FEATURE:

OTHER INFORMATION: Clone ID: PAT_MRT4530_42790C.1

US-10-437-963-39229

Query Match 1.7%; Score 20; DB 17; Length 1636;

Best Local Similarity 100.0%; Pred. No. 11;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 538 CCGGCGGAGTGTGCGTGA 557

Db 821 CCGGCGGAGTGTGCGTGA 840

RESULT 34

US-10-316-515-76

Sequence 76, Application US/10316515

Publication No. US20040116365A1

GENERAL INFORMATION:

APPLICANT: Alexander H. Borchers

APPLICANT: Susan M. Freier

TITLE OF INVENTION: MODULATION OF LCK EXPRESSION

FILE REFERENCE: RFS-0344

CURRENT APPLICATION NUMBER: US/10/316,515

CURRENT FILING DATE: 2002-12-10

NUMBER OF SEQ ID NOS: 76

SEQ ID NO 76

LENGTH: 1879

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

US-10-316-515-76

Query Match 1.7%; Score 20; DB 17; Length 1879;

Best Local Similarity 100.0%; Pred. No. 11;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGAGC 766

Db 500 CCTTCCTCATCCGGGAGAGC 519

RESULT 35

US-10-062-674-1776

Sequence 1776, Application US/10062674

Publication No. US20040005559A1

GENERAL INFORMATION:

APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.

TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS

FILE REFERENCE: PA-0026-1 CIP

CURRENT APPLICATION NUMBER: US/10/062,674

CURRENT FILING DATE: 2002-01-30

PRIOR APPLICATION NUMBER: US 09/625,102

PRIOR FILING DATE: 2000-07-24

NUMBER OF SEQ ID NOS: 2217

SOFTWARE: PERL Program

SEQ ID NO 1776

LENGTH: 2017

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Incyte ID No. US20040005559A1 245648.12

US-10-062-674-1776

Query Match 1.7%; Score 20; DB 16; Length 2017;

Best Local Similarity 100.0%; Pred. No. 11;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGAGC 766

Db 549 CCTTCCTCATCCGGGAGAGC 568

RESULT 36

US-09-997-722-233

Sequence 233, Application US/09997722

Publication No. US20040072154A1

GENERAL INFORMATION:

APPLICANT: Morris, David

APPLICANT: Engelhard, Eric

TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER

FILE REFERENCE: A-71171/RMS/DCF

CURRENT APPLICATION NUMBER: US/09/997,722

CURRENT FILING DATE: 2001-11-30

PRIOR APPLICATION NUMBER: US 09/747,377

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: US 09/798,586

PRIOR FILING DATE: 2001-03-02

NUMBER OF SEQ ID NOS: 301

SOFTWARE: PatentIn version 3.1

SEQ ID NO 233

LENGTH: 2032

TYPE: DNA

ORGANISM: Homo sapiens

US-09-997-722-233

Query Match 1.7%; Score 20; DB 12; Length 2032;

Best Local Similarity 100.0%; Pred. No. 11;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGAGC 766

Db 500 CCTTCCTCATCCGGGAGAGC 519

RESULT 37

US-10-366-288-27

Sequence 27, Application US/10366288

Publication No. US20030216288A1

GENERAL INFORMATION:

APPLICANT: Powell, Douglas

APPLICANT: Weich, Nadine S.

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING

TITLE OF INVENTION: AIDS AND HIV-RELATED DISORDERS USING 1414, 1481, 1553,

TITLE OF INVENTION: 34021, 1720, 1683, 1552, 1692, 1675, 12825, 9952, 5816,

TITLE OF INVENTION: 10002, 1611, 1371, 14324, 126, 270, 312, 167, 326, 18926,

TITLE OF INVENTION: 6747, 1793, 1784 OR 2045 MOLECULES

FILE REFERENCE: MPI02-025P1RNMNM

CURRENT APPLICATION NUMBER: US/10/366,288

CURRENT FILING DATE: 2003-02-13

```
; PRIOR APPLICATION NUMBER: 60/357,391
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 60/380,249
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: 60/391,306
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: 60/406,297
; PRIOR FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: 60/412,007
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/417,508
; PRIOR FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: 60/432,318
; PRIOR FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 2032
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-366-288-27
```

```
Query Match 1.7%; Score 20; DB 16; Length 2032;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 500 CCTTCCTCATCCGGGAGAGC 519
```

```
RESULT 38
US-10-316-515-4
; Sequence 4, Application US/10316515
; Publication No. US20040116365A1
; GENERAL INFORMATION:
; APPLICANT: Alexander H. Borchers
; TITLE OF INVENTION: MODULATION OF LCK EXPRESSION
; FILE REFERENCE: RTS-0344
; CURRENT APPLICATION NUMBER: US/10/316,515
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 76
; SEQ ID NO 4
; LENGTH: 2032
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (52)...(1581)
US-10-316-515-4
```

```
Query Match 1.7%; Score 20; DB 17; Length 2032;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 500 CCTTCCTCATCCGGGAGAGC 519
```

```
RESULT 39
US-09-805-020-3
; Sequence 3, Application US/09805020
; Publication No. US20020086384A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, Zurit
; TITLE OF INVENTION: SPLICE VARIANTS OF ONCOGENES
; FILE REFERENCE: 2786-0168P
; CURRENT APPLICATION NUMBER: US/09/805,020
; CURRENT FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 72
```

```
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 2034
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(2034)
; OTHER INFORMATION: any n = a,c,g,t any unknown or other
US-09-805-020-3
```

```
Query Match 1.7%; Score 20; DB 13; Length 2034;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 562 CCTTCCTCATCCGGGAGAGC 581
```

```
RESULT 40
US-09-960-706-954
; Sequence 954, Application US/09960706
; Publication No. US20030134280A1
; GENERAL INFORMATION:
; APPLICANT: Munger, William E.
; TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplas
; FILE REFERENCE: 44921-5029-01US
; CURRENT APPLICATION NUMBER: US/09/960,706
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 60/223,323
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: 09/873,319
; PRIOR FILING DATE: 2001-06-05
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 954
; LENGTH: 2129
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20030134280A1 U23852
US-09-960-706-954
```

```
Query Match 1.7%; Score 20; DB 10; Length 2129;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 508 CCTTCCTCATCCGGGAGAGC 527
```

```
RESULT 41
US-10-305-720-1452
; Sequence 1452, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expressio
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 1452
; LENGTH: 2129
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
```

; NAME/KEY: misc feature
; OTHER INFORMATION: GenBank ID No. US20040010136A1 g775207
US-10-305-720-1452

Query Match 1.7%; Score 20; DB 16; Length 2129;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
Db 508 CCTTCCTCATCCGGGAGGC 527

RESULT 42

US-10-316-515-75
; Sequence 75, Application US/10316515
; Publication No. US20040116365A1
; GENERAL INFORMATION:
; APPLICANT: Alexander H. Borchers
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: MODULATION OF LCK EXPRESSION
; FILE REFERENCE: RTS-0344
; CURRENT APPLICATION NUMBER: US/10/316,515
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 76
; SEQ ID NO 75
; LENGTH: 2129
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (60)...(1151)
US-10-316-515-75

Query Match 1.7%; Score 20; DB 17; Length 2129;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
Db 508 CCTTCCTCATCCGGGAGGC 527

RESULT 43

US-09-805-020-4
; Sequence 4, Application US/09805020
; Publication No. US20020086384A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, Zurit
; TITLE OF INVENTION: SPLICE VARIANTS OF ONCOGENES
; FILE REFERENCE: 2786-0168P
; CURRENT APPLICATION NUMBER: US/09/805,020
; CURRENT FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 2282
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(2282)
; OTHER INFORMATION: any n = a,c,g,t any unknown or other
US-09-805-020-4

Query Match 1.7%; Score 20; DB 13; Length 2282;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
Db 736 CCTTCCTCATCCGGGAGGC 755

RESULT 44

US-09-997-722-232
; Sequence 232, Application US/09997722
; Publication No. US20040072154A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71171/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/997,722
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 232
; LENGTH: 31842
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(2500)
; OTHER INFORMATION: "n" at positions 1 through 2500 can be any base.
; NAME/KEY: misc feature
; LOCATION: (28552)...(30747)
; OTHER INFORMATION: "n" at positions 28552 through 30747 can be any base.
US-09-997-722-232

Query Match 1.7%; Score 20; DB 12; Length 31842;
Best Local Similarity 100.0%; Pred. No. 7.2;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
Db 11316 CCTTCCTCATCCGGGAGGC 11335

RESULT 45

US-10-087-192-1438/c
; Sequence 1438, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 529452000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1438
; LENGTH: 177587
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(177587)
; OTHER INFORMATION: n = A,T,C or G
US-10-087-192-1438

Query Match 1.7%; Score 20; DB 13; Length 177587;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 210 AGATCCTCCAGGCTGAGAG 229
|||||
Db 19473 AGATCCTCCAGGCTGAGAG 19454

RESULT 46

US-10-412-277-3
; Sequence 3, Application US/10412277
; Publication No. US20030175791A1
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CLO01067DIV
; CURRENT APPLICATION NUMBER: US/10/412,277
; CURRENT FILING DATE: 2003-04-14
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 786431
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(786431)
; OTHER INFORMATION: n = A, T, C or G

US-10-412-277-3

Query Match 1.7%; Score 20; DB 15; Length 786431;
Best Local Similarity 100.0%; Pred. No. 4.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 693 TGACGAGGAGAAAGCAGAG 712
|||||
Db 412751 TGACGAGGAGAAAGCAGAG 412770

RESULT 47

US-09-908-975-4510
; Sequence 4510, Application US/09908975
; Publication No. US20030165843A1
; GENERAL INFORMATION:
; APPLICANT: SHOSHAN, Avi
; APPLICANT: WASSERMAN, Alon
; APPLICANT: MINTZ, Eli
; APPLICANT: MINTZ, Liat
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE
; FILE REFERENCE: 36688-0005
; CURRENT APPLICATION NUMBER: US/09/908,975
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 60/287,724
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: US 60/221,607
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 32337
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4510
; LENGTH: 65
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-09-908-975-4510

Query Match 1.6%; Score 19; DB 10; Length 65;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 395 ACAATGGAGTCTGCCCA 413
|||||
Db 2 ACAATGGAGTCTGCCCA 20

RESULT 48

US-09-864-761-30106/C
; Sequence 30106, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/006666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006657
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annotmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 30106
; LENGTH: 114
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC020596.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.7
; OTHER INFORMATION: SWISSPROT HIT: P52757, EVALUE 2.00e-09
; OTHER INFORMATION: EST HUMAN HIT: AW950919.1, EVALUE 2.00e-55
; OTHER INFORMATION: NT HIT: g11431079, EVALUE 5.00e-58

Query Match 1.6%; Score 19; DB 9; Length 114;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CCTCATCCGGAGGCCAG 769
|||||
Db 51 CCTCATCCGGAGGCCAG 33

RESULT 49
US-10-072-602B-237
; Sequence 237, Application US/10072602B
; Publication No. US20030109670A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Watkins, Maren
; APPLICANT: Gartrett, James E.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Grilley, Michelle
; APPLICANT: Schoenfeld, Robert M.
; APPLICANT: Walker, Craig
; APPLICANT: Shetty, Reshma
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Cone Snail Peptides
; FILE REFERENCE: 2314-249
; CURRENT APPLICATION NUMBER: US/10/072,602B
; CURRENT FILING DATE: 2002-02-11
; PRIOR APPLICATION NUMBER: US 60/267,408
; PRIOR FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 638
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 237
; LENGTH: 510
; TYPE: DNA
; ORGANISM: Conus textile
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (223)..(471)
US-10-072-602B-237

Query Match 1.6%; Score 19; DB 15; Length 510;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 392 GGACAAATGGGAGTCTGC 410
Db 390 GGACAAATGGGAGTCTGC 408

RESULT 50
US-09-864-761-13565/c
; Sequence 13565, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 13565
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC020596.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.7
US-09-864-761-13565

Query Match 1.6%; Score 19; DB 9; Length 599;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CCTCATCCGGAGAGCCAG 769
Db 75 CCTCATCCGGAGAGCCAG 57

RESULT 51
US-09-789-561-20/c
; Sequence 20, Application US/09789561
; Patent No. US20020064818A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 52 Human secreted proteins
; FILE REFERENCE: PZ043P1
; CURRENT APPLICATION NUMBER: US/09/789,561
; CURRENT FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: PCT/US00/24008
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/152,317
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/152,315
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 20
; LENGTH: 1033
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-789-561-20

Query Match 1.6%; Score 19; DB 9; Length 1033;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 696 GCAGGAGAAAGCAGGAGGA 714
Db 931 GCAGGAGAAAGCAGGAGGA 913

```

RESULT 53
US-10-027-632-118578/c
  ; Sequence 118578, Application US/10027632
  ; Publication No. US20030204075A9
  ; GENERAL INFORMATION:
  ; APPLICANT: Wang, David G.
  ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
  ; TITLE OF INVENTION: Polymorphisms in the Human Genome
  ; FILE REFERENCE: 108827.129
  ; CURRENT APPLICATION NUMBER: US/10/027,632
  ; CURRENT FILING DATE: 2002-04-30
  ; PRIOR APPLICATION NUMBER: US 60/218,006
  ; PRIOR FILING DATE: 2000-07-12
  ; PRIOR APPLICATION NUMBER: US 60/198,676
  ; PRIOR FILING DATE: 2000-04-20
  ; PRIOR APPLICATION NUMBER: US 60/193,483
  ; PRIOR FILING DATE: 2000-03-29
  ; PRIOR APPLICATION NUMBER: US 60/185,218
  ; PRIOR FILING DATE: 2000-02-24
  ; PRIOR APPLICATION NUMBER: US 60/167,363
  ; PRIOR FILING DATE: 1999-11-23
  ; PRIOR APPLICATION NUMBER: US 60/156,358
  ; PRIOR FILING DATE: 1999-09-28
  ; PRIOR APPLICATION NUMBER: US 60/146,002
  ; PRIOR FILING DATE: 1999-08-09
  ; NUMBER OF SEQ ID NOS: 325720
  ; SOFTWARE: FastSeq for Windows Version 4.0
  ; SEQ ID NO 118578
  ; LENGTH: 1125
  ; TYPE: DNA

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Query Match      1.6%; Score 19; DB 13; Length 1133;
Best Local Similarity 100.0%; Pred.No. 38;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 408 TCCCCAGCAGAGAAAATC 426
      |||||
Db 834 TGCCCGACGACGAGAAAATC 852

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; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US 60/371,507
; PRIOR FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: US 60/372,984
; PRIOR FILING DATE: 2002-04-15
; PRIOR APPLICATION NUMBER: US 60/374,194
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: US 60/382,995
; PRIOR FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: US 60/385,023
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 60/388,853
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: US 60/389,395
; PRIOR FILING DATE: 2002-06-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1467)
US-10-354-358-11

Query Match 1.6%; Score 19; DB 15; Length 1467;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 742 AGGGGCTTCCTCATCCGG 760
Db 423 AGGGGCTTCCTCATCCGG 441

RESULT 56
US-10-280-576-25
; Sequence 25, Application US/10280576
; Publication No. US2004004405A1
; GENERAL INFORMATION:
; APPLICANT: Wolff, Matthew R.
; TITLE OF INVENTION: VASCULAR STENT OR GRAFT COATED OR IMPREGNATED WITH PROTEIN
; FILE REFERENCE: 09820.189
; CURRENT APPLICATION NUMBER: US/10/280,576
; CURRENT FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: 60/343,732
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-280-576-25

Query Match 1.6%; Score 19; DB 13; Length 1490;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 742 AGGGGCTTCCTCATCCGG 760
Db 434 AGGGGCTTCCTCATCCGG 452

RESULT 57
US-10-126-962-1
; Sequence 1, Application US/10126962
; Publication No. US2004008778A1
; GENERAL INFORMATION:
; APPLICANT: FLOWMAN, GREGORY D.
; APPLICANT: ONRUST, SUSAN
; APPLICANT: MARKBY, DAVID

; APPLICANT: COURTNEIDGE, SARA
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF SAD RELATED DISORDERS
; FILE REFERENCE: 034536-0497
; CURRENT APPLICATION NUMBER: US/10/126,962
; CURRENT FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 09/099,053
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/049,914
; PRIOR FILING DATE: 1997-06-18
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1548
; TYPE: DNA
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Unknown mammalian
; OTHER INFORMATION: nucleotide sequence
US-10-126-962-1

Query Match 1.6%; Score 19; DB 17; Length 1548;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 742 AGGGGCTTCCTCATCCGG 760
Db 471 AGGGGCTTCCTCATCCGG 489

RESULT 58
US-09-976-782-25
; Sequence 25, Application US/09976782
; Publication No. US20030190715A1
; GENERAL INFORMATION:
; APPLICANT: Grosse et al
; TITLE OF INVENTION: No. US20030190715A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-157
; CURRENT APPLICATION NUMBER: US/09/976,782
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,113
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,662
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/240,732
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/240,625
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/240,703
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/241,190
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/240,637
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/240,669
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/262,455
; PRIOR FILING DATE: 2001-01-18
; PRIOR APPLICATION NUMBER: 60/240,648
; PRIOR FILING DATE: 2000-10-16
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
; LENGTH: 1580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-976-782-25

Query Match 1.6%; Score 19; DB 10; Length 1580;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 742 AGGGGCTTCCTCATCCGG 760


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Db 455 AGGGGCGCTTCTCATCCG 473

RESULT 59
US-09-861-846-1
; Sequence 1, Application US/09861846
; Patent No. US20020110852A1
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al.
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; AND USES THEREOF
; FILE REFERENCE: CL001065
; CURRENT APPLICATION NUMBER: US/09/861,846
; CURRENT FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: 09/752,821
; PRIOR FILING DATE: 2001-01-03
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1833
; TYPE: DNA
; ORGANISM: Human
US-09-861-846-1

Query Match 1.6%; Score 19; DB 9; Length 1833;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 740 GGAGGGCGCTTCTCATCC 758
Db 157 GGAGGGCGCTTCTCATCC 175

RESULT 60
US-10-250-463-1
; Sequence 1, Application US/10250463
; Publication No. US20040106775A1
; GENERAL INFORMATION:
; APPLICANT: PE CORPORATION (NY)
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; AND USES THEREOF
; FILE REFERENCE: CL001065
; CURRENT APPLICATION NUMBER: US/10/250,463
; CURRENT FILING DATE: 2003-07-02
; PRIOR APPLICATION NUMBER: 09/752,821
; PRIOR FILING DATE: 2001-01-03
; PRIOR APPLICATION NUMBER: 09/861,846
; PRIOR FILING DATE: 2001-05-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1833
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-250-463-1

Query Match 1.6%; Score 19; DB 17; Length 1833;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 740 GGAGGGCGCTTCTCATCC 758
Db 157 GGAGGGCGCTTCTCATCC 175

RESULT 61
US-10-094-749-577
; Sequence 577, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
```

```
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 577
; LENGTH: 2120
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-577

Query Match 1.6%; Score 19; DB 16; Length 2120;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 740 GGAGGGCGCTTCTCATCC 758
Db 280 GGAGGGCGCTTCTCATCC 298

RESULT 62
US-10-305-720-1101
; Sequence 1101, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 1101
; LENGTH: 2771
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: GenBank ID No. US20040010136A1 g1256002
US-10-305-720-1101

Query Match 1.6%; Score 19; DB 16; Length 2771;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 585 CTGAGGATGGAGCTGGTG 503
Db 1305 CTGAGGATGGAGCTGGTG 1323
```

```
RESULT 63
US-10-087-192-416
; FILE REFERENCE: PA-0026-1 CIP
; CURRENT APPLICATION NUMBER: US/10087192
; PUBLICATION NO. US20040182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; CANCELLATION OF INVENTION: CANCER
; FILE REFERENCE: 529452000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 416
; LENGTH: 3103
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-087-192-416

Query Match 1.6%; Score 19; DB 13; Length 3103;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 320 CAGAGCTGCTTCCCAAGC 338
DB 960 CAGAGCTGCTTCCCAAGC 978

RESULT 64
US-10-369-493-46381/C
; Sequence 46381, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 46381
; LENGTH: 4207
; TYPE: DNA
; ORGANISM: Schizosaccharomyces pombe
US-10-369-493-46381

Query Match 1.6%; Score 19; DB 16; Length 4207;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 411 CCAGCAGAGAAATCTCT 429
DB 3095 CCAGCAGAGAAATCTCT 3077

RESULT 65
US-10-062-674-2048/C
; Sequence 2048, Application US/10062674
; Publication No. US2004000559A1
; GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.
; APPLICANT: Engelhard, Eric K.
; APPLICANT: Morris, David W.
; GENERAL INFORMATION:
; Publication No. US20020182586A1
; Sequence 415, Application US/10087192
; US-10-087-192-415
; FILE REFERENCE: PA-0026-1 CIP
; CURRENT APPLICATION NUMBER: US/10/062,674
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: US 09/625,102
; PRIOR FILING DATE: 2000-07-24
; NUMBER OF SEQ ID NOS: 2217
; SOFTWARE: PERL Program
; SEQ ID NO 2048
; LENGTH: 4720
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US2004000559A1 422072.14
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1) ... (4720)
; OTHER INFORMATION: a, t, c, g, or other
US-10-062-674-2048

Query Match 1.6%; Score 19; DB 16; Length 4720;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 585 CTGAGGATGGAGACTGGTG 603
DB 3421 CTGAGGATGGAGACTGGTG 3403

RESULT 66
US-10-437-963-29812
; Sequence 29812, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 29812
; LENGTH: 6779
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_34278C.1
US-10-437-963-29812

Query Match 1.6%; Score 19; DB 17; Length 6779;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1127 TCCCTCAGCTTCTACATCA 1145
DB 1465 TCCCTCAGCTTCTACATCA 1483

RESULT 67
US-10-087-192-415
; Sequence 415, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
```

; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: 529452000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 415
; LENGTH: 189158
; TYPE: DNA
; ORGANISM: Mus musculus
; NAME/KEY: misc feature
; LOCATION: (1)...(189158)
; OTHER INFORMATION: n = A,T,C or G
US-10-087-192-415

Query Match 1.6%; Score 19; DB 13; Length 189158;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 320 CAGAGCTGTCTCCCAAGC 338
Db 166937 CAGAGCTGTCTCCCAAGC 166955

RESULT 68
US-09-738-626-3261
; Sequence 3261, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OKHAI, KEIKO
; APPLICANT: YOKOI, HARUHIRO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENO, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 3261
; LENGTH: 204
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-3261

Query Match 1.5%; Score 19; DB 9; Length 204;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1150 GAATGACGAGGCTGTCTC 1167
Db 111 GAATGACGAGGCTGTCTC 128

RESULT 69

US-10-437-963-26242
; Sequence 26242, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yinhua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 26242
; LENGTH: 219
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_31051C.1
US-10-437-963-26242

Query Match 1.5%; Score 18; DB 17; Length 219;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 428 CTGCCAAGCCCAAGCTTG 445
Db 128 CTGCCAAGCCCAAGCTTG 145

RESULT 70
US-10-437-963-35410/c
; Sequence 35410, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yinhua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 35410
; LENGTH: 304
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_39332C.1
US-10-437-963-35410

Query Match 1.5%; Score 18; DB 17; Length 304;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 64 TCCTCCCTGGCTCGGCT 81
Db 243 TCCTCCCTGGCTCGGCT 226

RESULT 71
US-10-437-963-47957/c

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; Sequence 47957, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 47957
; LENGTH: 311
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_50677C.1
; US-10-437-963-47957

Query Match      1.5%; Score 18; DB 17; Length 311;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 64 TCCTCCCTGGCTCGGCT 81
DB 250 TCCTCCCTGGCTCGGCT 233

RESULT 72
US-10-437-963-96032/c
; Sequence 96032, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 96032
; LENGTH: 365
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_94167C.1
; US-10-437-963-96032

Query Match      1.5%; Score 18; DB 17; Length 365;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 64 TCCTCCCTGGCTCGGCT 81
DB 304 TCCTCCCTGGCTCGGCT 287

RESULT 73
US-10-437-963-84460/c
; Sequence 84460, Application US/10437963

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; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 84460
; LENGTH: 374
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_83695C.1
; US-10-437-963-84460

Query Match      1.5%; Score 18; DB 17; Length 374;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 64 TCCTCCCTGGCTCGGCT 81
DB 313 TCCTCCCTGGCTCGGCT 296

RESULT 74
US-09-918-995-8609
; Sequence 8609, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8609
; LENGTH: 402
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-918-995-8609

Query Match      1.5%; Score 18; DB 10; Length 402;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 416 AGAAGAAAATCTCTGCCA 433
DB 3 AGAAGAAAATCTCTGCCA 20

RESULT 75
US-09-983-965-1815
; Sequence 1815, Application US/09983965
; Patent No. US20020137160A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND

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; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 37-21(10297)C
; CURRENT APPLICATION NUMBER: US/09/983,965
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 09/465,231
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/113,678
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 1815
; LENGTH: 403
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; OTHER INFORMATION: Clone ID: 02-LIB3057-001-Q1-K1-A9
US-09-983-965-1815

Query Match          1.5%; Score 18; DB 9; Length 403;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 902 CTCGAGGCGCTGCTGGAC 919
Db 376 CTCGAGGCGCTGCTGGAC 393

RESULT 76
US-09-732-627A-2773/G
; Sequence 2773, Application US/09732627A
; Publication No. US20040123338A1
; GENERAL INFORMATION:
; APPLICANT: Fincher, Karen L.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(51770)B
; CURRENT APPLICATION NUMBER: US/09/732,627A
; CURRENT FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 4930
; SEQ ID NO 2773
; LENGTH: 408
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3493-008-P1-M1-E8
US-09-732-627A-2773

Query Match          1.5%; Score 18; DB 12; Length 408;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 328 TCTTCCCAAGCCTTTGAT 345
Db 284 TCTTCCCAAGCCTTTGAT 267

RESULT 77
US-10-027-632-195991
; Sequence 195991, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 195991
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-195991

Query Match          1.5%; Score 18; DB 16; Length 474;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 541 GGCCGAGCTGCTCGCTGAG 558
Db 286 GGCCGAGCTGCTCGCTGAG 303

RESULT 78
US-10-027-632-195991
; Sequence 195991, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 195991
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-195991

Query Match          1.5%; Score 18; DB 13; Length 474;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 541 GGCCGAGCTGCTCGCTGAG 558
Db 286 GGCCGAGCTGCTCGCTGAG 303

RESULT 79
US-09-918-995-26739
; Sequence 26739, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
```

```
; TITLE OF INVENTION: FROM VARIOUS cDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 26739
; LENGTH: 487
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-26739

Query Match          1.5%; Score 18; DB 10; Length 487;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 654 ACGTGGGCAAAATCTCTCC 671
    |||||
Db 448 ACGTGGGCAAAAGTCTCC 465

RESULT 80
US-09-918-995-38019
; Sequence 38019, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 38019
; LENGTH: 491
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(491)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-38019

Query Match          1.5%; Score 18; DB 10; Length 491;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 416 AGAAGAAATCTCTGCCA 433
    |||||
Db 416 AGAAGAAATCTCTGCCA 433

RESULT 81
US-10-027-632-270409
; Sequence 270409, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 1999-11-23
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 270409
; LENGTH: 497
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-270409

Query Match          1.5%; Score 18; DB 16; Length 497;
Best Local Similarity 100.0%; Pred. No. 1.4e-02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 269 CCAGAAAGGGCCCCCAAAG 286
    |||||
Db 277 CCAGAAAGGGCCCCCAAAG 294

RESULT 83
US-10-027-632-284851/c
; Sequence 284851, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 284851
; LENGTH: 498
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-284851

Query Match
Best Local Similarity 1.5%; Score 18; DB 13; Length 498;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 587 GAGGATGGAGACTGGTGG 604
DB 405 GAGGATGGAGACTGGTGG 388
```

```
RESULT 84
US-10-027-632-284852/c
; Sequence 284852, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 284852
; LENGTH: 498
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-284852

Query Match
Best Local Similarity 1.5%; Score 18; DB 13; Length 498;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 587 GAGGATGGAGACTGGTGG 604
DB 405 GAGGATGGAGACTGGTGG 388

RESULT 85
US-10-027-632-284851/c
; Sequence 284851, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 284851
; LENGTH: 498
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-284851

Query Match
Best Local Similarity 1.5%; Score 18; DB 16; Length 498;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 587 GAGGATGGAGACTGGTGG 604
DB 405 GAGGATGGAGACTGGTGG 388

RESULT 86
US-10-027-632-284852/c
; Sequence 284852, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
```

```
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 284852
; LENGTH: 498
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-284852

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 587 GAGGATGGAGACTGGTGG 604
    |||||
Db 405 GAGGATGGAGACTGGTGG 388

RESULT 87
US-10-027-632-143161/c
; Sequence 143161, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143161
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143161

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
    |||||
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 88
US-10-027-632-143162/c
; Sequence 143162, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143161
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143161

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
    |||||
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 89
US-10-027-632-143161/c
; Sequence 143161, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143161
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143161

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
    |||||
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 90
US-10-027-632-143162/c
; Sequence 143162, Application US/10027632
```

```
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143162
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143162

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
    |||||
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 89
US-10-027-632-143161/c
; Sequence 143161, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143161
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143161

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
    |||||
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 90
US-10-027-632-143162/c
; Sequence 143162, Application US/10027632
```



```
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143162
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143162

Query Match 1.5%; Score 18; DB 15; Length 531;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 897 CCTCACTCCAGGCCCTGG 914
DB 367 CCTCACTCCAGGCCCTGG 350

RESULT 91
US-10-029-386-4315
; Sequence 4315, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 4315
; LENGTH: 535
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR22 175.0
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.46
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EST_HUMAN HIT: B1518449.1, EVALUATE 4.00e-89
; OTHER INFORMATION: NT HIT: g14779626, EVALUATE 2.00e-89
; OTHER INFORMATION: SWISSPROT HIT: O00268, EVALUATE 2.00e-01
US-10-029-386-4315

Query Match 1.5%; Score 18; DB 15; Length 535;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 897 CCTCACTCCAGGCCCTGG 914
DB 367 CCTCACTCCAGGCCCTGG 350
```

```
DB 135 CCTCACTCCAGGCCCTGG 152

RESULT 92
US-09-764-853-86
; Sequence 86, Application US/09764853
; Patent No. US2002090672A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PJ206
; CURRENT APPLICATION NUMBER: US/09/764,853
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 939
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 86
; LENGTH: 544
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (176)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (177)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (190)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (500)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (522)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-853-86

Query Match 1.5%; Score 18; DB 9; Length 544;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1139 TACATCAGCCTGAATGAC 1156
DB 462 TACATCAGCCTGAATGAC 479

RESULT 93
US-10-027-632-282391/c
; Sequence 282391, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
```

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 282391
; LENGTH: 561
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-282391

Query Match 1.5%; Score 18; DB 13; Length 561;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0

QY 616 TGAAGTCTCAGGCAGAGA 633
| | | | | | | | | | | | | | | | | | | | | |
DB 114 TGAAGTCTCAGGCAGAGA 97

RESULT 94

US-10-027-632-282391/c
; Sequence 282391, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 282391
; LENGTH: 561
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-282391

Query Match 1.5%; Score 18; DB 15; Length 561;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0

QY 616 TGAAGTCTCAGGCAGAGA 633
| | | | | | | | | | | | | | | | | | | | | |
DB 114 TGAAGTCTCAGGCAGAGA 97

RESULT 95

US-10-424-599-72725/c
; Sequence 72725, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David X
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 72725
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_36686C.1
US-10-424-599-72725

Query Match 1.5%; Score 18; DB 13; Length 578;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0

QY 388 CTGAGGAACAATGGGAAG 405
| | | | | | | | | | | | | | | | | | | | | |
DB 105 CTGAGGAACAATGGGAAG 88

RESULT 96

US-10-029-386-6891/c
; Sequence 6891, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR CH
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 6891
; LENGTH: 584
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AB023048.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1
; OTHER INFORMATION: NT HIT: AF168055.1, EVALUE 1.40e-01
; OTHER INFORMATION: SWISSPROT HIT: P39605, EVALUE 7.40e+00
; OTHER INFORMATION: EST_HUMAN HIT: AA584104.1, EVALUE 2.00e-04
US-10-029-386-6891

Query Match 1.5%; Score 18; DB 15; Length 584;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0

QY 893 TTCCTCTCAGGCAGGCC 910
| | | | | | | | | | | | | | | | | | | | | |
DB 130 TTCCTCTCAGGCAGGCC 113

RESULT 97

US-10-027-632-264852
; Sequence 264852, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483

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/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 264852
/ LENGTH: 608
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-264852

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Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 896 CCCTCACTCCAGGCCCTG 913
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Db 538 CCCTCACTCCAGGCCCTG 555

RESULT 98
US-10-027-632-264852
/ Sequence 264852, Application US/10027632
/ Publication No. US20030204075A9
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ CURRENT FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 264852
/ LENGTH: 608
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-264852

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Db 538 CCCTCACTCCAGGCCCTG 555

RESULT 99
US-10-437-963-93927
/ Sequence 93927, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Andrey A.
/ APPLICANT: Barbazuk, Brad
/ APPLICANT: Li, Ping
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437,963
/ CURRENT FILING DATE: 2003-05-14
/ NUMBER OF SEQ ID NOS: 204966
/ SEQ ID NO 93927
/ LENGTH: 690
/ TYPE: DNA
/ ORGANISM: Oryza sativa
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT4530_92264C.1
US-10-437-963-93927

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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 64 TCCCTCCCTGCGTGGCT 81
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Db 83 TCCCTCCCTGCGTGGCT 100

RESULT 100
US-10-027-632-162462/c
/ Sequence 162462, Application US/10027632
/ Publication No. US20020198371A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ CURRENT FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 162462
/ LENGTH: 717
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-162462

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Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 885 GCCTCACCTTCCCTCAC 902
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Db 155 GCCTCACCTTCCCTCAC 138

RESULT 99
US-10-437-963-93927
/ Sequence 93927, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
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Page 34

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Job time : 607 secs